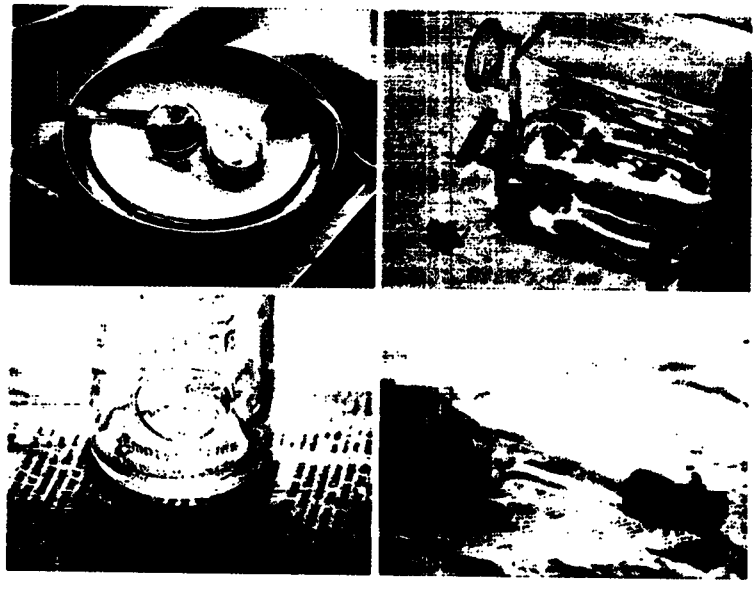
SONY

Colour Video Printer

Operating instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.



CVP-G700

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

NOTICE FOR THE CUSTOMERS IN THE UNITED KINGDOM

If the plug supplied with this appliance is not suitable for the socket outlet in your home, it should be cut off and an appropriate plug fitted.

IMPORTANT
The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral
Brown: Live
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green-and-yellow.

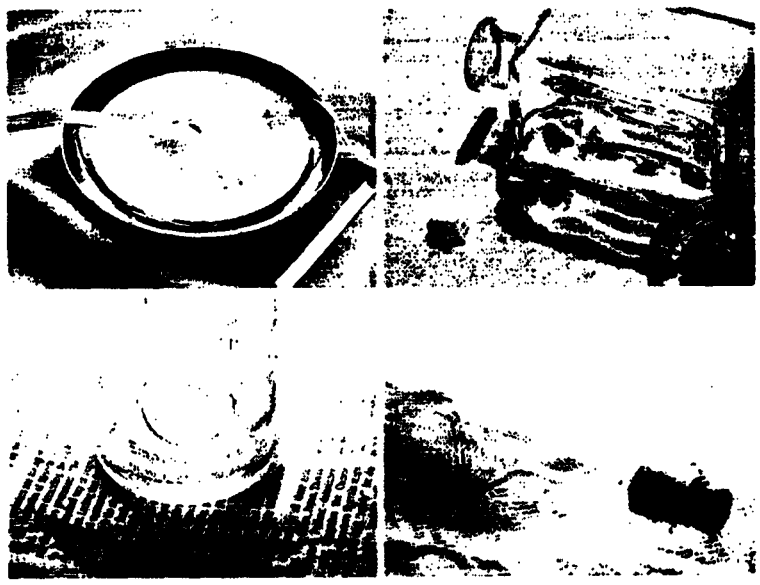
Should the fuse in the plug supplied with this appliance need to be replaced, a 5 AMP FUSE approved by ASTA to BS 1362, ie carries the ⓐ mark must be used.

WARNING
To prevent shock hazard, do not insert the plug cut off from the mains lead into a socket outlet. This plug cannot be used and should be discarded.

If the plug supplied with this appliance has detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover.
If you should lose the fuse cover, please contact your nearest Sonv service station.

Caution
TV programmes, films, video tapes and other materials may be copyrighted. Unauthorized video printing of such materials may be contrary to the provisions of the copyright laws.

Colour Video Printer



This manual is comprised of the following five chapters:

Introduction
This chapter provides preliminary information that you may find useful when using the CVP-G700 colour video printer. The section "Location and Function of Parts and Controls" familiarizes you with each part of the printer. "Precautions" provides important information to ensure that the printer is used safely.

Setting Up
This chapter explains the steps involved in setting up the printer—connecting the printer to a monitor television and video equipment, and loading the colour ribbon cassette and the print paper.

Making Basic Printouts
This chapter teaches you step-by-step how to make a full-size basic printout. When you are using the printer for the first time, read this chapter to get a basic idea of how to use the printer.

Going Beyond the Basics
This chapter explains how to make a variety of printouts—printing multiple images in one printout and inserting a caption. Setting the print quantity and adjusting the picture quality of printouts are explained here.

Other Technical Information
This chapter provides technical information on the printer, how to handle error messages, and how to deal with paper jams. Refer to this chapter when questions arise or problems occur.

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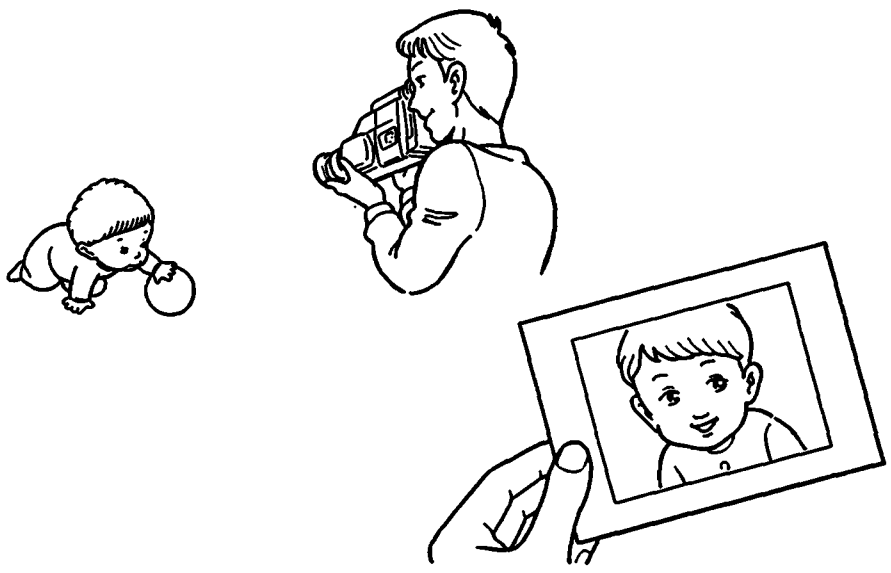
What is the Colour Video Printer

What can the printer do

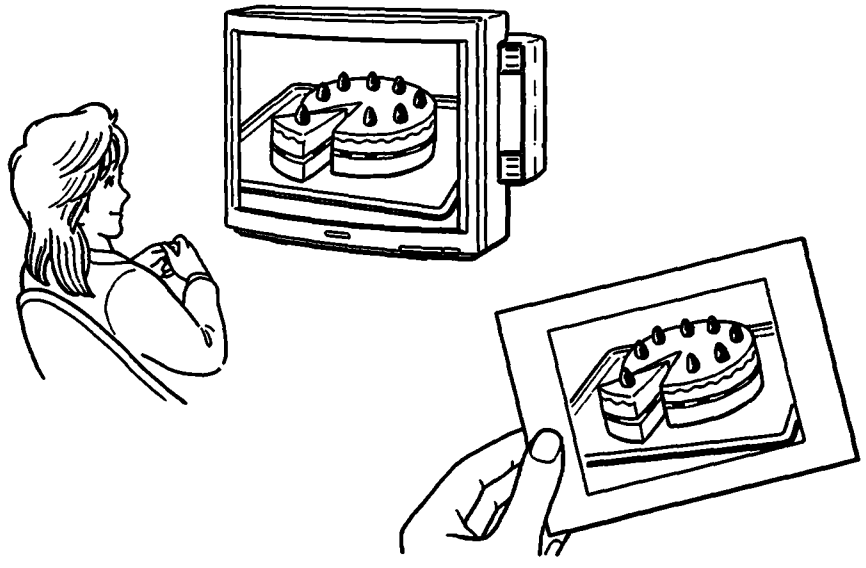
With the colour video printer, you can print the pictures taken with video equipment and the pictures broadcast on TV. Operation is very simple. Just press the CAPTURE button to store the image you want to print just as you would press the shutter when you take a photo. Then press the PRINT button to get a natural-coloured, vivid printout.

For printing, refer to "Printing a Full-Size Image" on page 34.

Printing pictures played back on video equipment



Printing TV broadcast pictures

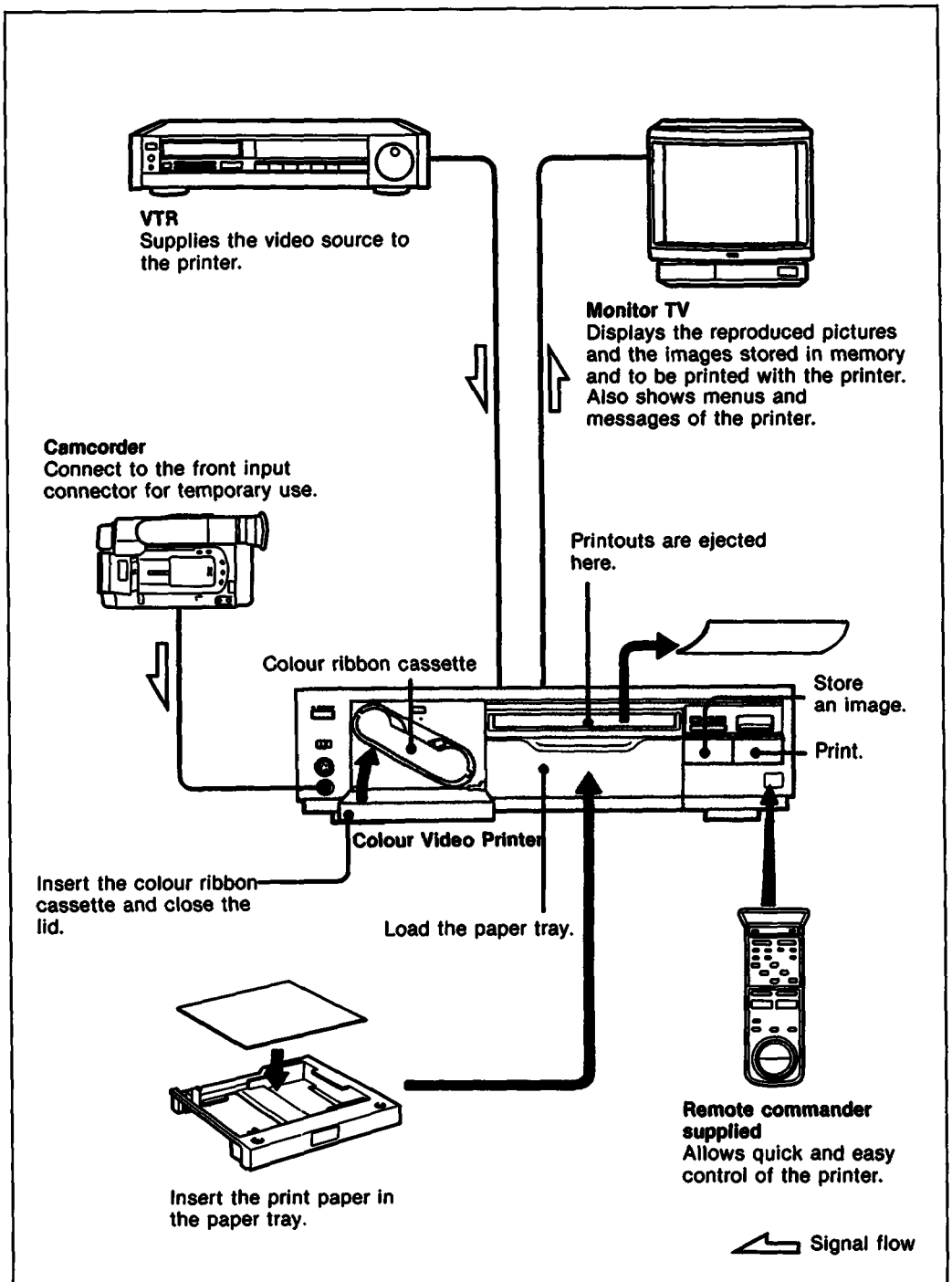


Note
The CVP-G700 is compatible only with the PAL video sources. You cannot make prints directly from the SECAM TV programs in France.

How does the printer work

Connect the video source (VTR, camcorder, or laser disc player, etc.) and the video display (TV or monitor) to the printer. Use the devices equipped with VIDEO and/or S VIDEO input/output connectors. You cannot use the devices with only aerial connectors.

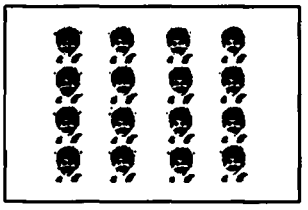
For connection, refer to "Connecting the Colour Video Printer" on page 22.


VTR
Supplies the video source to the printer.
Monitor TV
Displays the reproduced pictures and the images stored in memory and to be printed with the printer. Also shows menus and messages of the printer.
Camcorder
Connect to the front input connector for temporary use.
Printouts are ejected here.
Colour ribbon cassette
Store an image.
Print.
Colour Video Printer
Insert the colour ribbon cassette and close the lid.
Load the paper tray.
Insert the print paper in the paper tray.
Remote commander supplied
Allows quick and easy control of the printer.
Signal flow

Printing TV broadcast pictures only
Only a TV with VIDEO or S VIDEO input/output connectors can be used. For details, refer to "Printing TV Broadcast Pictures" on page 38.

What types of printouts can the printer make

With the colour video printer, you can make a variety of printouts.

Basic printout in full size	Printout of the same image in 1/4 size or 1/16 size	Printout of different images in 1/4 size or 1/16 size
An image from the video equipment is printed in full size. (page 34)	Four of the same images, each in 1/4 size, are printed with white divisions. (page 44)	Four different images, each in 1/4 size, are printed without white divisions. (page 46)
		
	Sixteen of the same images, each in 1/16 size, are printed with white divisions. (page 44)	Sixteen different images, each in 1/16 size, are printed without white divisions. (page 46)

Printout of strobe images in 1/4 size or 1/16 size

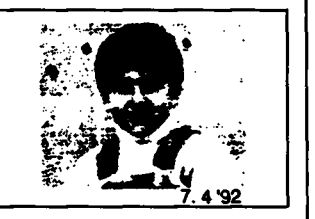
Four strobe images (sequential views of a moving object), each in 1/4 size, are printed without white divisions. (page 48)

Sixteen strobe images, each in 1/16 size, are printed without white divisions. (page 48)

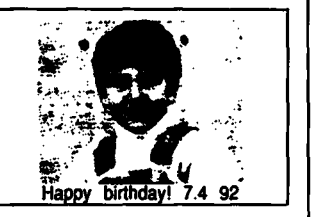
Printout with multiple insets

A basic printout is printed with multiple insets of 1/4-size and/or 1/16-size images. (page 50)

Printout with a caption



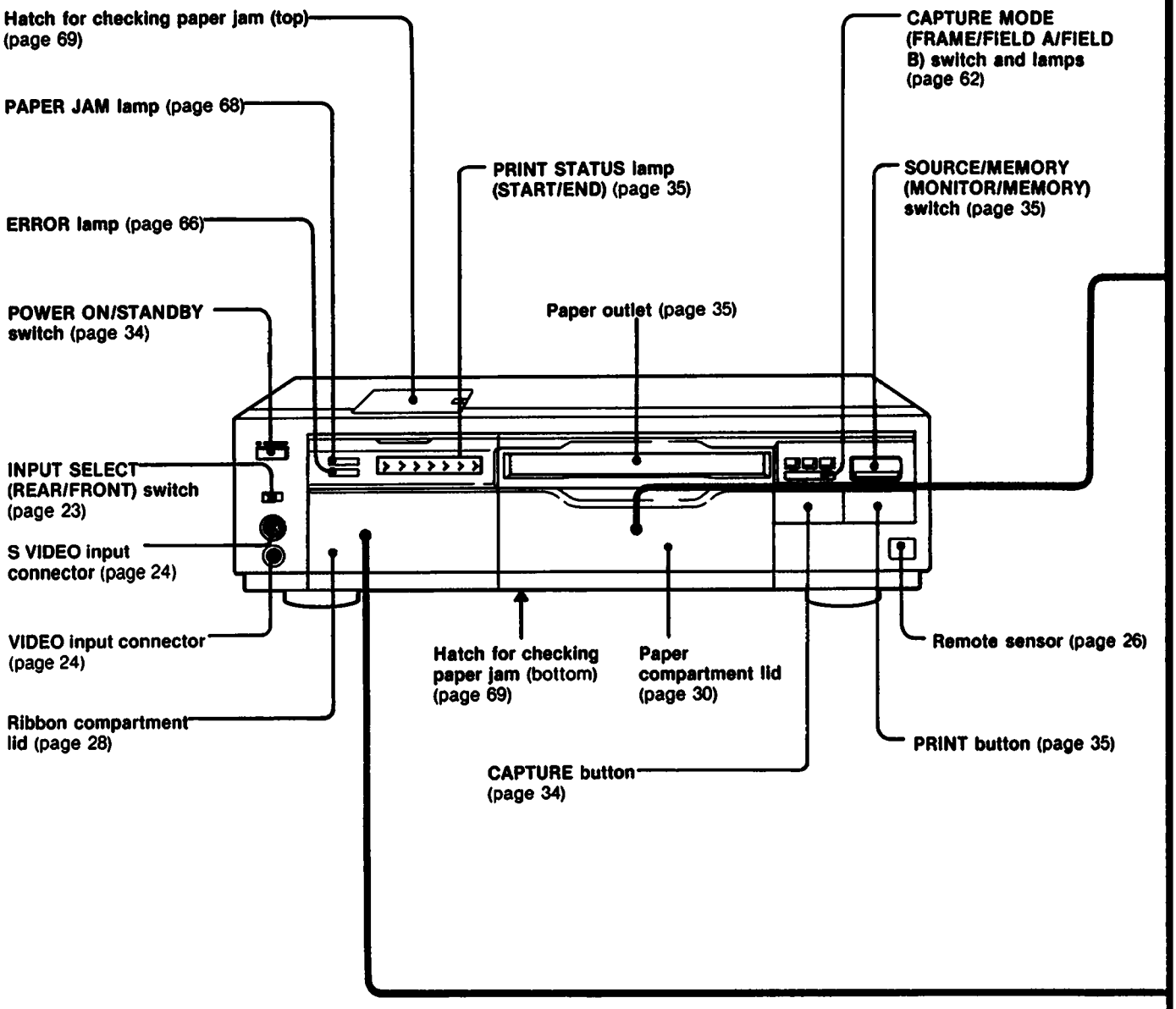
A basic printout is printed with a date. (page 52)



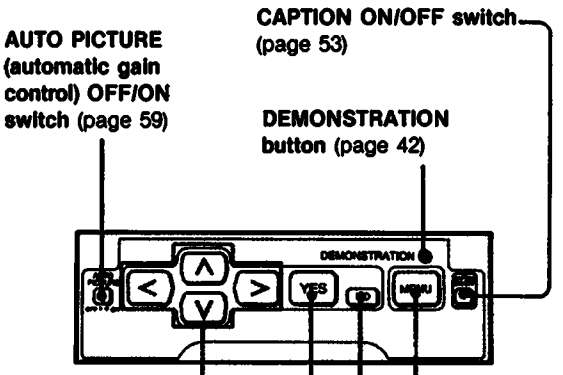
A basic printout is printed with a title of up to 40 letters, numbers, or marks. (page 54)

For explanation of the use of each part, refer to the pages indicated in ( ).

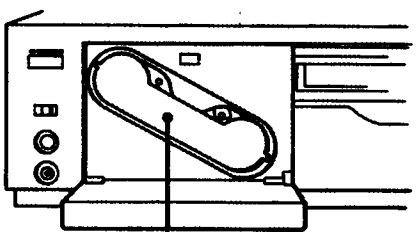
Main unit Front


Hatch for checking paper jam (top) (page 69)
PAPER JAM lamp (page 68)
ERROR lamp (page 66)
POWER ON/STANDBY switch (page 34)
INPUT SELECT (REAR/FRONT) switch (page 23)
S VIDEO input connector (page 24)
VIDEO input connector (page 24)
Ribbon compartment lid (page 28)
PRINT STATUS lamp (START/END) (page 35)
Paper outlet (page 35)
Hatch for checking paper jam (bottom) (page 69)
Paper compartment lid (page 30)
CAPTURE button (page 34)
CAPTURE MODE (FRAME/FIELD A/FIELD B) switch and lamps (page 62)
SOURCE/MEMORY (MONITOR/MEMORY) switch (page 35)
Remote sensor (page 26)
PRINT button (page 35)

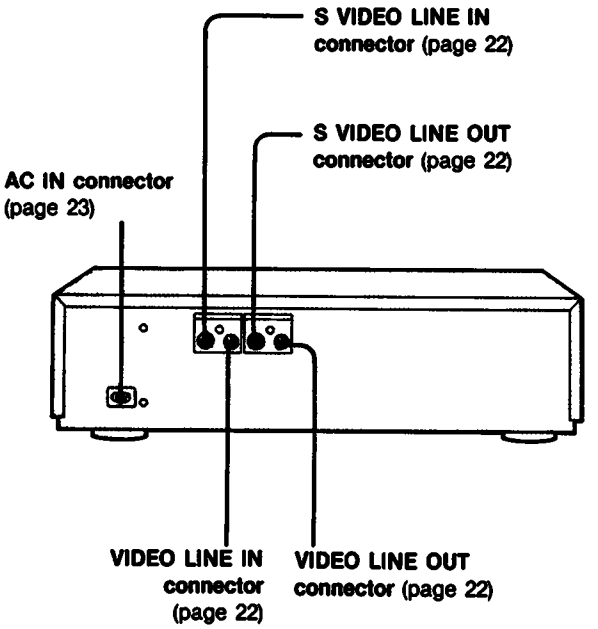
When the paper compartment lid is open



When ribbon compartment lid is open

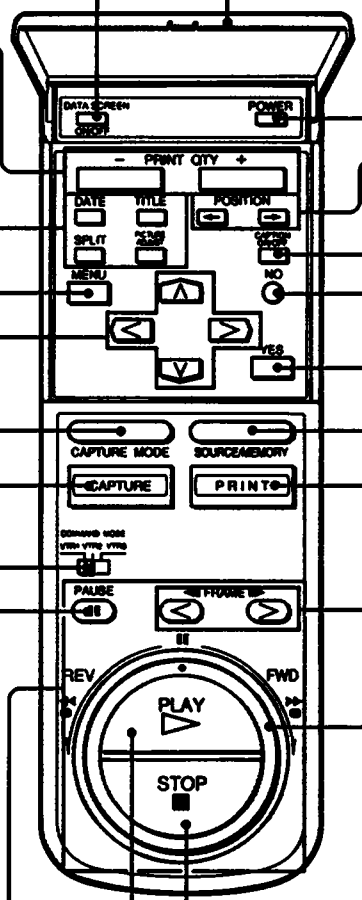


Rear


S VIDEO LINE IN connector (page 22)
S VIDEO LINE OUT connector (page 22)
AC IN connector (page 23)
VIDEO LINE IN connector (page 22)
VIDEO LINE OUT connector (page 22)

Remote commander

The buttons and switches on the commander have the same function as those with the same names on the unit. With the remote commander, you can also control the tape transport of Sony video equipment.



DATA SCREEN ON/OFF button
When you want to see the image hidden behind the screen messages, press this button to erase the screen messages. You operate the printer in the same way, whether or not the messages appear. (Screen menu cannot be erased.)

PRINT QTY (quantity) – / + buttons
Press the – button to decrease the print quantity and the + button to increase it.

Sub-menu buttons (DATE, TITLE, SPLIT and PICTURE ADJUST)
Displays sub-menus immediately on the screen.

MENU button

Cursor control buttons

CAPTURE MODE switch

CAPTURE button

COMMAND MODE switch
You can control Sony video equipment:
VTR1: Sony Beta VTR
VTR2: Sony 8mm VTR and camcorder
VTR3: Sony VHS VTR
Depending on the model, some functions cannot be controlled.

PAUSE button

Tape transport control buttons
Controls the tape transport of the video equipment.

PLAY button

STOP button

Cover

POWER switch

POSITION ⇐/⇒ buttons
Moves the cursor to the desired position in the TITLE menu.

CAPTION ON/OFF switch

NO button

YES button

SOURCE/MEMORY button

PRINT button

Frame-by-frame buttons

Shuttle ring
In the stop mode:
Turn to the extreme right and release for fast forward, turn to the extreme left and release for fast rewind.
In the playback and pause modes:
Turn clockwise for FWD playback and counter-clockwise for REV playback. Depending on the angle, the speed varies.
Turn to the extreme right for FWD picture search and to the extreme left for REV picture search.

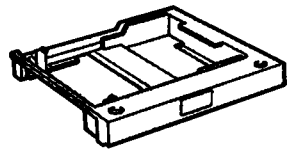
Supplied accessories

The printer is packed together with the following accessories. Check that nothing is missing from your package.

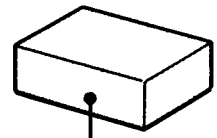
Notes

- Retain the original carton and packing materials in case you have to transport this unit in the future.
- Retain the original bags containing print paper and colour ribbon. They are the ideal container for storing partially used print paper and colour ribbon for an extended period of time.

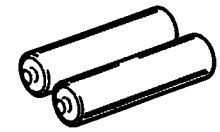
Paper tray (1)



Video printing pack (1)



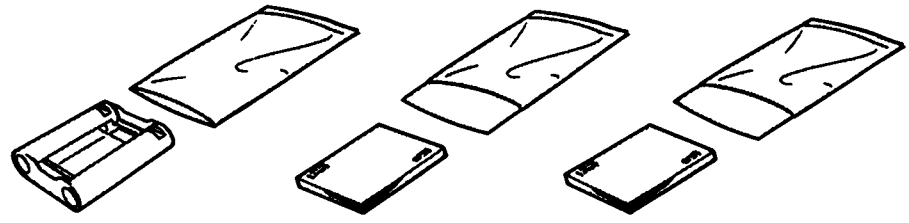
Size AA (R6) batteries (2)



Colour ribbon cassette (1 cassette, 30 prints' worth)

Print paper (20 sheets)

White sticker print paper (10 sheets)



Remote commander RMT-7 (1)

AC power cord (1)

Video connecting cables (2)*

Operating instructions (1)

*Depending on where you purchased the printer, only one video connecting cable is supplied.

Optional accessories (video printing packs)

You need print paper and colour ribbon cassette for printing. The print paper and colour ribbon cassette are not re-usable. Once they are used, replace with new ones. Video printing packs containing print paper and colour ribbon cassette are available separately. Video cables for connecting the printer with video equipment are also available.

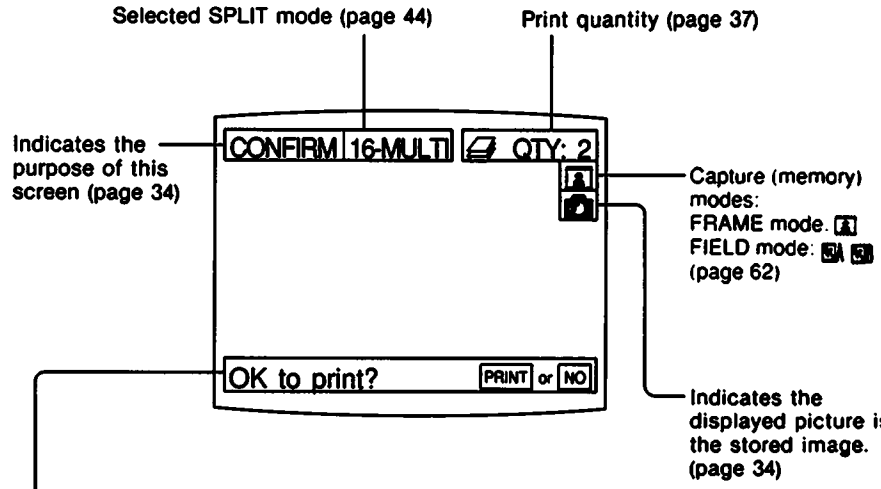
Video printing pack VPM-30STA
(One cassette of colour ribbon and 30 sheets of regular print paper for 30 prints)
Video printing pack VPM-90STA
(One cassette of colour ribbon and 90 sheets of regular print paper for 90 prints)
White sticker printing pack VPM-30WSA
(One cassette of colour ribbon and 30 sheets of sticker print paper for 30 prints)
Video connecting cable VMC-1S (For VIDEO signals)
Video connecting cable YC-15V (For S VIDEO signals)

Note

Use the video printing packs recommended for this printer only. If you use different types of printing packs, printing may not be made properly or malfunctions may occur.

Screen messages

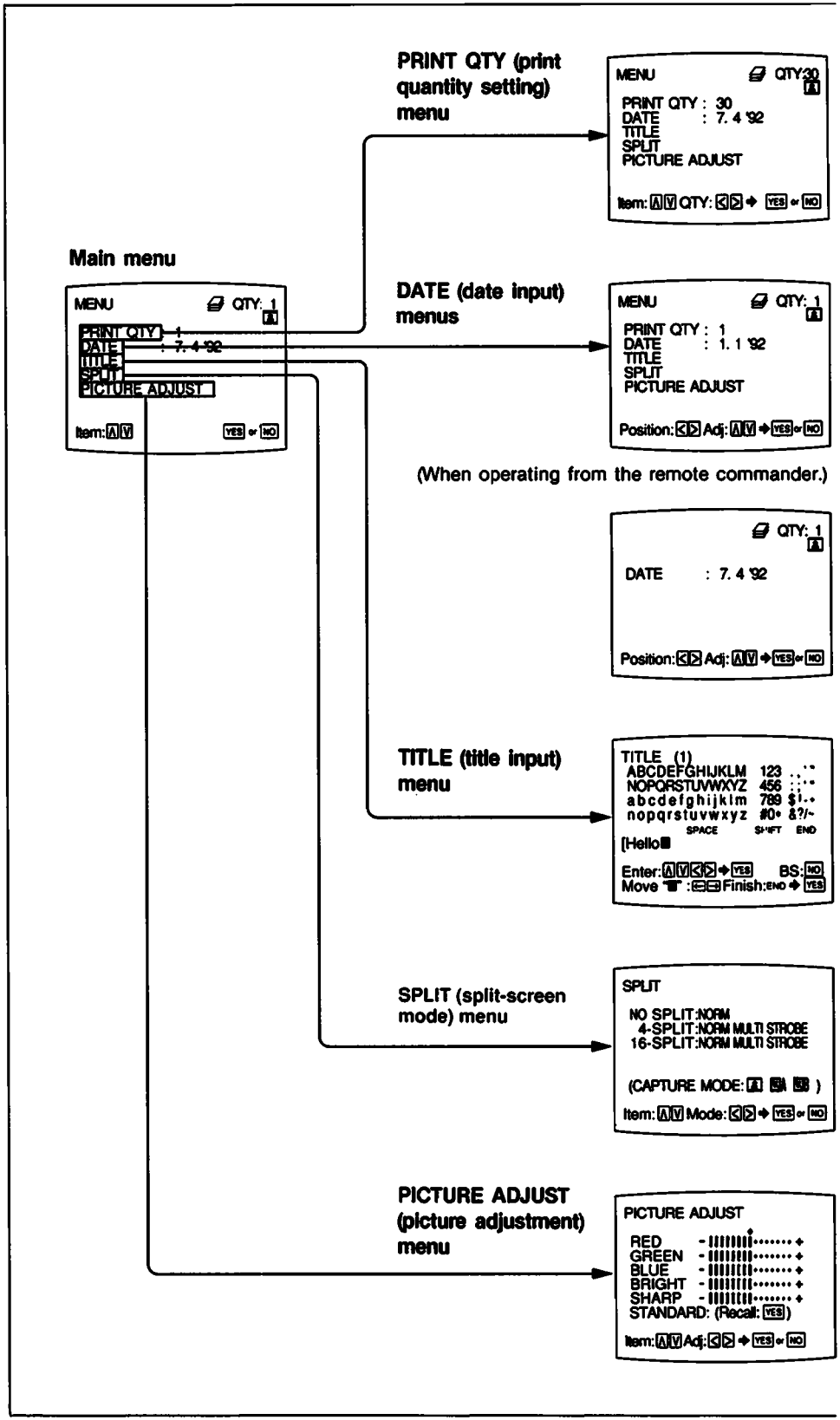
Screen messages show you the present status of the printer and suggest the next step of operation.
Menus on the screen guide you through advanced operations such as making a variety of printouts, adjusting colour, and setting print quantity.



Indicates the next or possible operations:
OK to print? PRINT or NO
Press CAPTURE now. NO
Or, indicates the present status of the printer:
Printing . . .
Printing is completed.
etc.

Menus

The menus for advanced operations have a tree structure.



On safety

- Operate the printer on 220–240 V AC, 50/60 Hz only.
- Be careful not to set or drop any heavy objects on the power cord, or to damage the cord in any way. Never operate this printer with a damaged power cord.
- Should any solid object or liquid fall into the cabinet, unplug the printer and have it checked by qualified personnel before operating it any further.
- Never disassemble the printer.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- When the printer is not going to be used for an extended period, disconnect the power cord from the wall outlet.
- Do not handle the printer roughly.
- To reduce the risk of electric shock, always unplug the printer from electrical outlet before cleaning and servicing the printer.

On moisture condensation

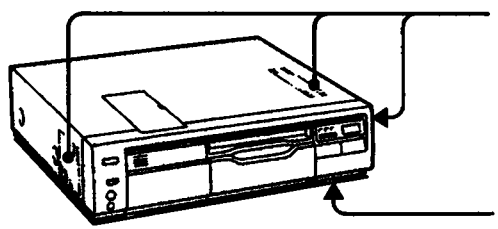
If the printer is brought directly from a cold place to a warm place or placed in an extremely warm or humid room, moisture may condense inside the unit. In such cases the printer will probably not work properly, and may even develop a fault if you persist in using it. If moisture condensation forms, turn off the power and do not use the printer for at least one hour.

On cleaning

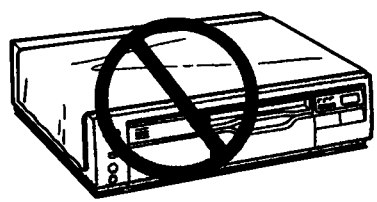
Clean the cabinet, panel and controls with a soft dry cloth, or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzine, which may damage the finish.

On installation

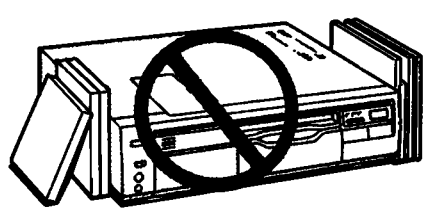
- Avoid placing the unit in a location subject to:
  —vibration
  —high humidity
  —excessive dust
  —direct sunlight
  —extremely high or low temperatures
- Do not use electronic equipment near the unit. The unit will not work properly in electromagnetic fields.
- The unit is designed to operate horizontally. Never attempt to operate the printer in a tilted position.
- Do not place heavy objects in the printer.
- Leave enough room around the printer so that the ventilation holes are not blocked. Blocking these holes may cause internal heat build-up.



Do not cover the unit with cloth or other materials.



Do not block the sides of the unit with books, etc.



Colour Video Printer

This chapter covers the following topics:

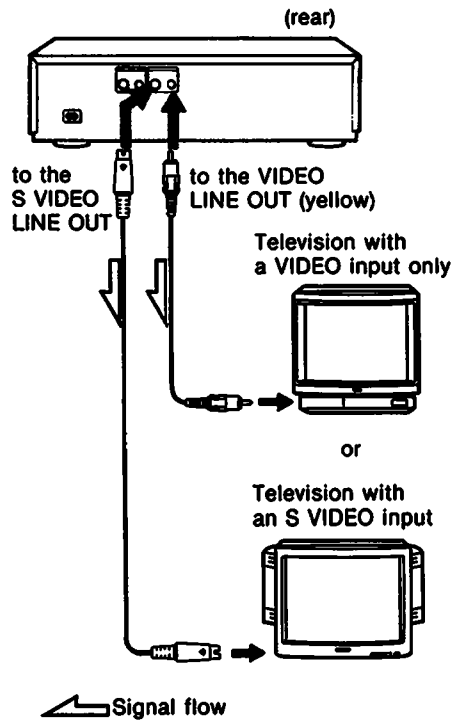
- Connecting the Colour Video Printer
- Using the Remote Commander
- Loading the Colour Ribbon Cassette
- Loading the Print Paper

Before you begin

- Prepare the units (TV, VTR, etc.) with S VIDEO or VIDEO input/output connectors. (You cannot use the units with aerial connectors only.)
- Do not connect the AC power cord to the printer and the wall outlet until all of the other connections are complete.
- Turn off the power of the other equipment you will connect the printer to.
- For connection, also refer to the operating instructions of other equipment you will connect the printer to.

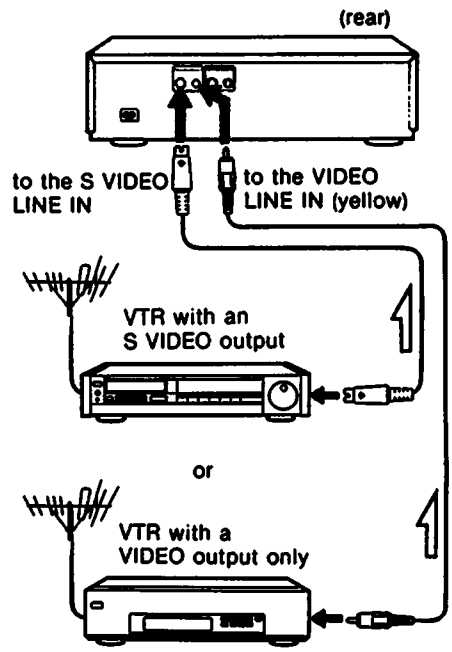
1 Connect the printer to the television/monitor.

When your television/monitor has both S VIDEO and VIDEO input connectors, use the S VIDEO connector.


(rear)
to the S VIDEO LINE OUT
to the VIDEO LINE OUT (yellow)
Television with a VIDEO input only
or
Television with an S VIDEO input
Signal flow

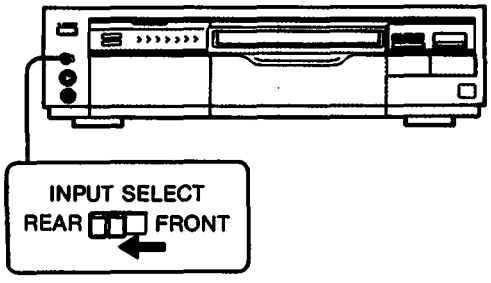
2 Connect the printer to the video equipment.

When your video equipment (VTR, camcorder, laser disc player, etc.) has both S VIDEO and VIDEO output connectors, use the S VIDEO connector.

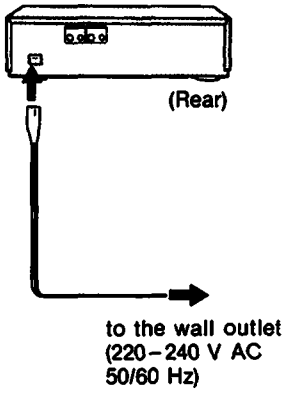


3 Set the INPUT SELECT switch on the front panel of the printer to "REAR" (when using the rear input connectors).

(When using the front input connectors, set it to "FRONT.")



4 Connect the AC power cord to the printer and the wall outlet.



Note

Operate the printer only on 220–240 V AC 50/60 Hz.

S VIDEO connectors and VIDEO connectors

The printer has both S VIDEO and VIDEO connectors. When the video/television unit that the printer will be connected to has both types of connectors, use the S VIDEO connector. You can enjoy higher quality pictures.

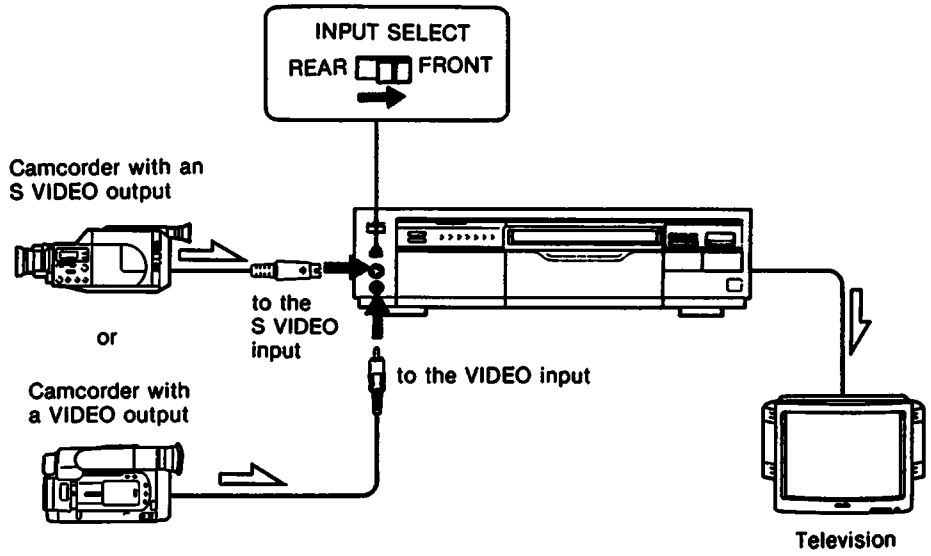
If you use both S VIDEO and VIDEO input connectors of the printer simultaneously, the input circuit will select S VIDEO input signals automatically.

Even if you have no video equipment

You can print TV broadcast pictures when your TV has S VIDEO or/and VIDEO input/output connectors. For details, refer to "Printing TV Broadcast Pictures" on page 38.

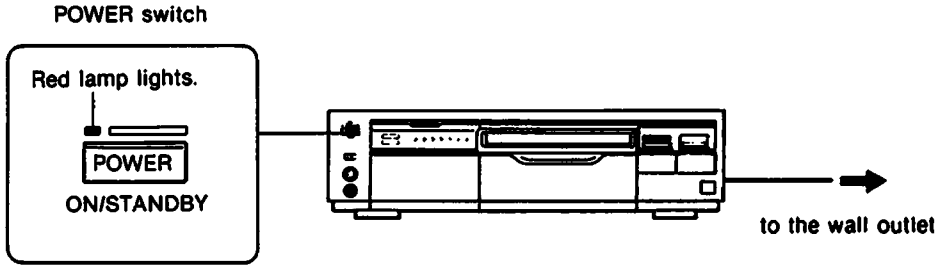
Connecting the video camera temporarily

Use the front input connector to connect a video camera, camcorder, etc., temporarily. You can then connect or disconnect the equipment easily. Set the INPUT SELECT switch to "FRONT".



Watching video and TV after connecting to the printer

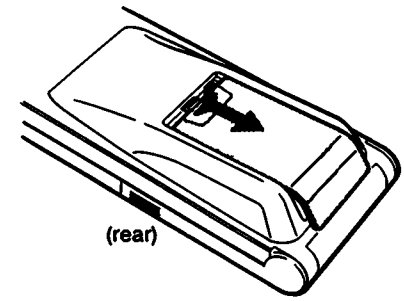
As long as you leave the AC power cord of the printer connected to the wall outlet, you can enjoy watching video and TV as usual, even if the printer itself has been turned off. Whenever the unit is connected to the AC power source, the POWER lamp lights in red.

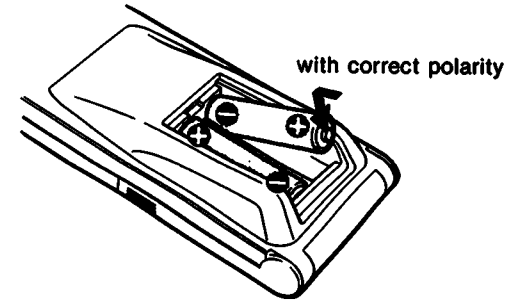


The supplied remote commander has some special buttons and switches that the main unit does not have. Those buttons and switches, as well as those of the same function with the main unit, make the operation even quicker and easier.

Installing batteries

Insert two supplied size AA (R6) batteries into the remote commander.

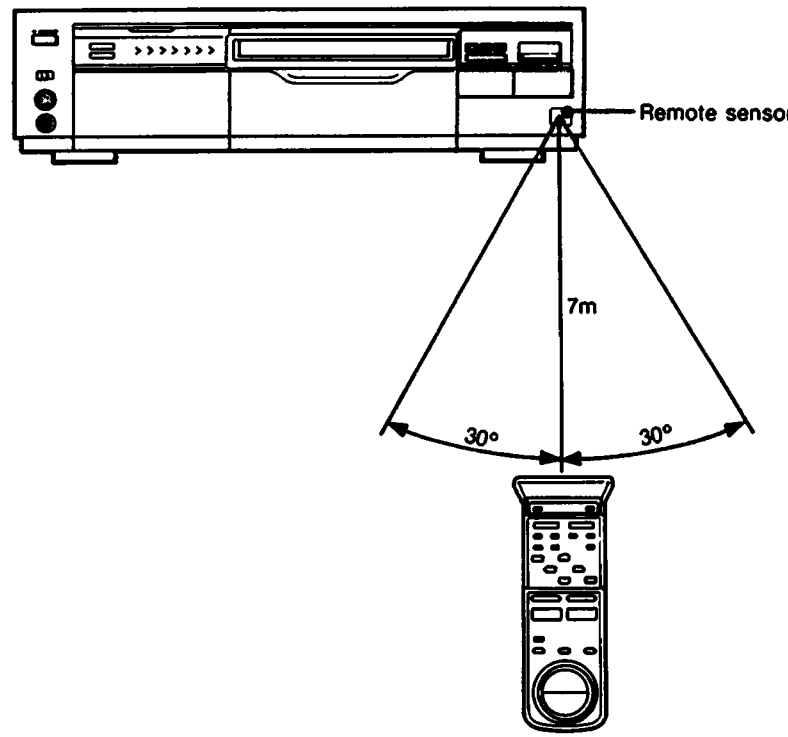




After inserting the batteries, slide the lid back onto the remote commander.

Controlling the printer with the remote commander

Point the head of the remote commander toward the remote sensor on the printer.
You can operate the printer with the remote commander within 7m of the printer.



How long is the battery life?
In normal operation, batteries will last for **about six months.** If the operating range of the commander becomes **noticeably** short, replace the batteries with new ones.

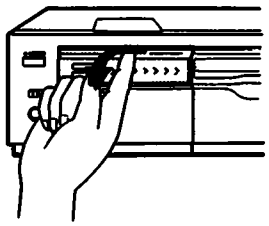
Notes on handling the remote commander
- Do not drop the commander or immerse it in water or other liquids.
- Keep the remote sensor of the printer away from the direct sunlight or the strong light of lighting equipment.
- To avoid malfunction, do not simultaneously depress two or more buttons.

Notes on handling the batteries
- Remove the batteries from the remote commander when you are not going to use the commander for an extended period of time. If you leave them installed, the batteries may leak.
- If the batteries should leak, wipe away the leakage in the battery case thoroughly, and then insert new batteries.
- Be sure to insert the batteries with correct polarity.
- Do not mix used and new batteries.
- Do not recharge the batteries.
- Do not mix batteries of different types.

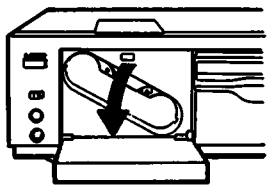
Loading the Colour Ribbon Cassette

Before you begin
Make sure that you use the colour ribbon cassette recommended for this printer only.

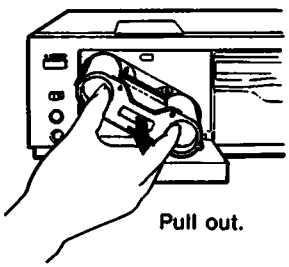
1 Open the ribbon compartment lid.



Pull down with the tab.



To remove the colour ribbon cassette
When you replace the used colour ribbon cassette with a new one, remove the used colour ribbon cassette from the ribbon compartment.

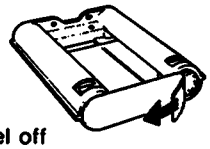


Pull out.

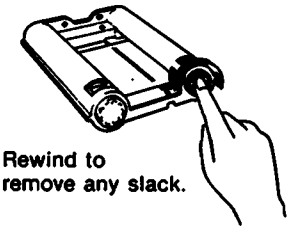
Note
The colour ribbon is not reusable. When it is completely used, replace it with a new one.

2 Remove any slack from the colour ribbon.

When you use a new color ribbon cassette
Peel off the stopper and rewind the colour ribbon fully.

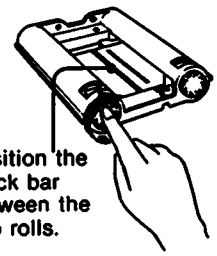


Peel off the stopper.



Rewind to remove any slack.

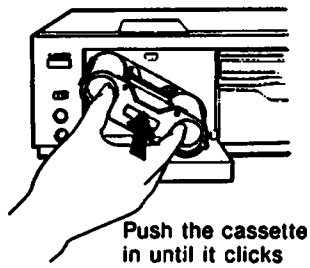
When you use a partially used colour ribbon cassette
Wind the colour ribbon until the black bar is positioned between the two rolls of the cassette.



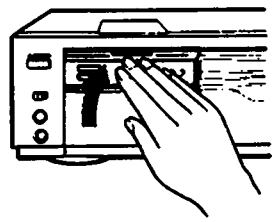
Position the black bar between the two rolls.

Note
If you insert a slack colour ribbon cassette into the printer, it may be damaged or even cause malfunction.

3 Insert the colour ribbon cassette firmly and close the ribbon compartment lid.



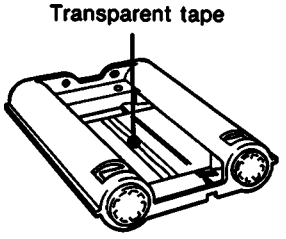
Push the cassette in until it clicks into place.



Colour ribbon cassette and print paper
Colour ribbon cassette supplied or contained in the recommended video printing packs is for use exclusively with regular and sticker print paper. Even if you replace the type of print paper, you do not need to replace the colour ribbon cassette.

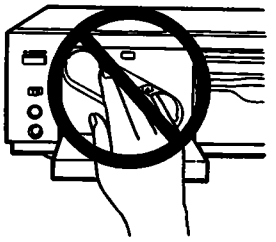
If your colour ribbon should tear

Repair the ribbon with transparent tape. There should be no problem with using the remaining portion of the ribbon. Before loading the colour ribbon cassette into the printer, remove any slack by winding the ribbon until the black bar is positioned between the two rolls of the cassette.



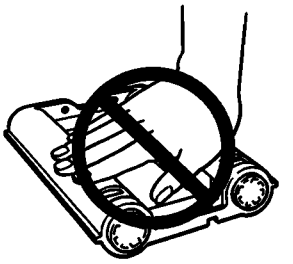
Caution

Never put your hand into the ribbon compartment. The thermal head reaches high temperatures, especially after repeated printing.



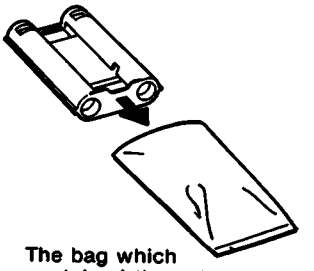
Note on handling colour ribbons

Do not touch the colour ribbon or place it in a dusty location. Fingerprints or dust on colour ribbon will result in imperfect printing.



Notes on storing colour ribbons

- Avoid placing the ribbon in a location subject to:
  - — high temperatures
  - — high humidity
  - — excessive dust
  - — direct sunlight.
- When you are going to store a partially-used colour ribbon cassette for an extended period of time, store it in its original bag.

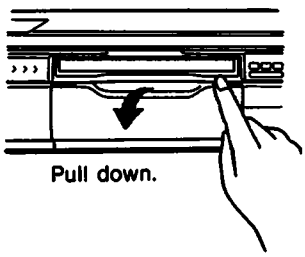


The bag which contained the colour ribbon cassette.

Before you begin

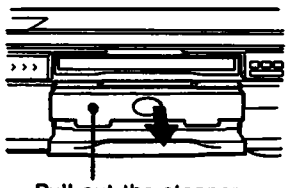
- Make sure that you use the print paper recommended for this printer only.
- When handling the print paper, be careful not to touch the printing surface.

1 Open the paper compartment lid.

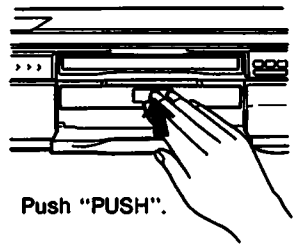


When you use the printer for the first time

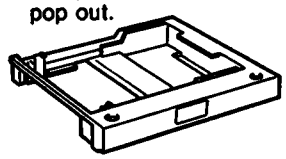
When your printer is delivered, a stopper is installed instead of the paper tray. Pull out the stopper before use.



2 Remove the paper tray.

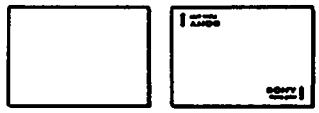


The paper tray will pop out.



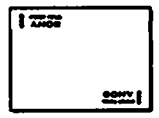
3 Place the print paper in the paper tray.

① Determine which side is the printing surface. The shiny side without Sony logos is for printing.



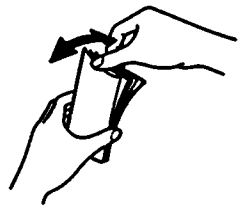
Printing surface

Reverse (regular print paper)



Reverse (sticker print paper)

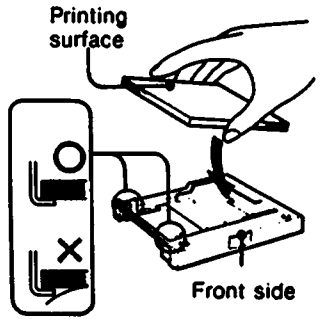
② Ruffle the paper.



Note

Be careful not to touch the printing surface.

③ Place the print paper in the paper tray with the printing surface facing up.

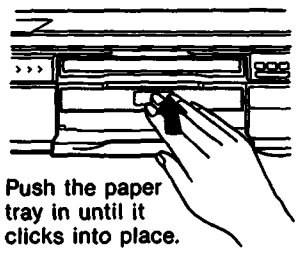


Make sure that the print paper is placed above the paper holder.

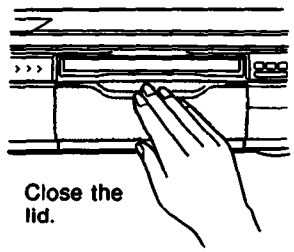
Notes

- The paper tray can hold up to 30 sheets of paper. When you add paper to a partly-full tray, be careful that the total number of sheets does not exceed 30. If you exceed this limit, paper jams may occur.
- Use the print paper recommended for this printer only. If you use a different type of paper, the printer may not print properly or may cause problems.
- Do not place different types of paper in the tray. If you do, paper jams may occur.

4 Slide the paper tray back into the printer and close the paper compartment lid.



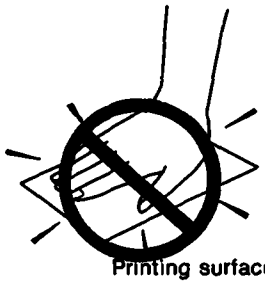
Push the paper tray in until it clicks into place.



Close the lid.

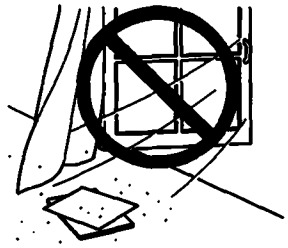
Notes on handling the print paper

- The print paper is not photosensitive. You can handle it in normal daylight.
- Do not touch the printing surface. Finger prints or dust on the printing surface may result in imperfect printing.



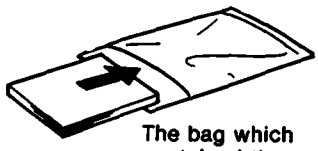
Printing surface

- Do not wind or wrinkle the print paper.
- Do not place the print paper in a dusty location.



Notes on storing the print paper

- Avoid placing the print paper in a location subject to:
  - — high temperatures
  - — high humidity
  - — excessive dust
  - — direct sunlight.
- When you are going to store a partially-used package of the print paper for an extended period of time, store it in their original bag.



The bag which contained the print paper.

Making Basic Printouts

This chapter gives you a general idea of how to use the colour video printer by leading you step-by-step through the process of making a full-size, basic printout. The operation described here is very simple: what you should do is just press the buttons on the front panel of the main unit, without displaying and using the MENU screen as described in the next chapter.

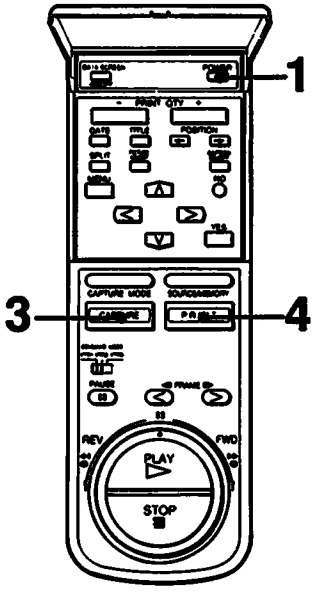
This chapter covers the following topics:

- Printing a Full-Size Image
  - — Printing a fast-moving image without blur
  - — Making more than one copy of an image
- Printing TV Broadcast Pictures
  (If you have no video equipment)

The following are the steps to make a full-size, basic printout of the pictures played back on the video equipment. For printing from the TV, refer to "Printing TV Broadcast Pictures" on page 38.

Before you begin

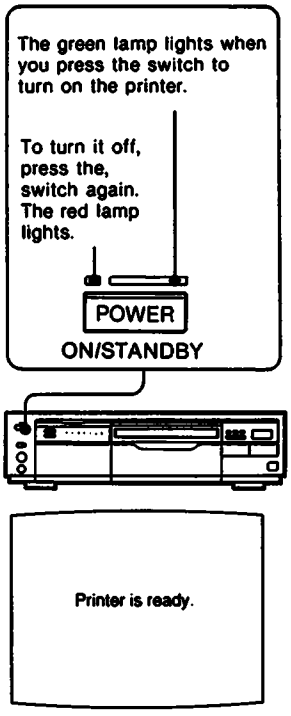
- Check that the printer is properly connected to the video equipment and television.
- Check that the correct combination of colour ribbon cassette and print paper are properly loaded.



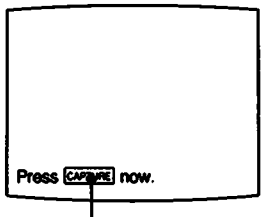
You can use the remote commander to do this.

1 Turn on the power of the printer and the video equipment.

(Set the TV/VTR switch on the TV to "VTR".)


The green lamp lights when you press the switch to turn on the printer.
To turn it off, press the, switch again. The red lamp lights.
POWER
ON/STANDBY
Printer is ready.

In about 4 seconds after you turn on the power, the printer becomes ready for printing and the following message appears.

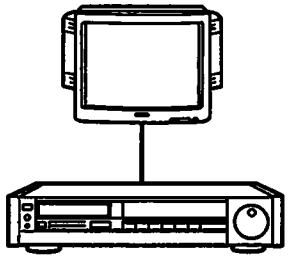


Indicates the next operation.

Note

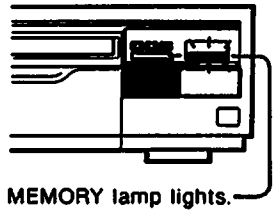
Before the printer becomes ready, you cannot turn off the power even if you press the POWER switch.

2 Play back the pictures on the video equipment.

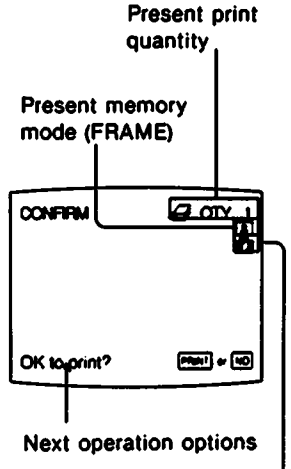


3 When the image you want to print appears on the screen, press the CAPTURE button to store it.

The image stored in memory appears on the screen so that you can confirm the image for printing.

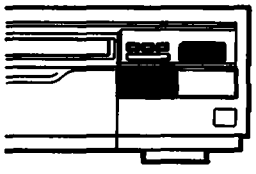


MEMORY lamp lights.



Confirm and error beep sounds
When you press a button on the main unit or remote commander, a beep sounds to show that you have done an expected step of the operation. If you have done an unacceptable step, repeated beeps sound to show that the printer rejected your operation.

To change the image stored in memory
Press the NO button or the SOURCE/MEMORY button to return to the playback pictures. Press the CAPTURE button again to store a new image. The previous image in memory is replaced with the new one.

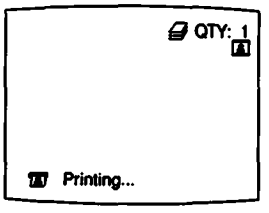


4 Press the PRINT button.

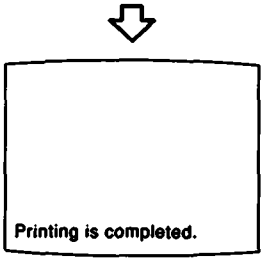
The playback picture reappears on the screen. Wait about 70 seconds for a printout to emerge.

Dots on the PRINT STATUS lamp flash one after another, from left (START) to right (END), as printing process proceeds.

When the printout emerges from the paper outlet, take it out.



When the printing is over



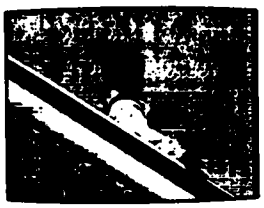
Note
To prevent paper jamming, do not leave more than 30 printouts on the paper outlet.

When the printer does not print
- If you turn off the printer, the stored image is erased. Store the image again to print it.
- As long as the ERROR or PAPER JAM lamp lights or an error message appears on the screen, the printer will not print. To correct the error, see "Error messages" on page 66 or "If Paper Jams" on page 68.

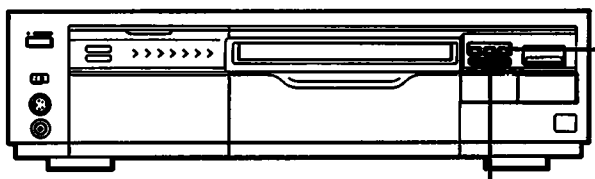
Notes
- To avoid malfunction, do not unplug the power cord from the wall outlet during printing or operation.
- If you should turn off the printer during printing, the printer will be turned off automatically after the printing in process is complete.
- Do not open the hatches for checking a paper jam on the upper and bottom panels of the printer during printing.
- A black line may appear on the right or left end of a printout although no such a line appears on the screen. This is due to a distortion in the video signals and not due to some trouble with the printer.

Notes on preserving your printouts
- To avoid degradation of the colour, do not place a printout in locations subject to:
  — high temperatures
  — high humidity
  — direct sunlight.
  Also avoid contact with any liquid, especially alcohol or solvents.
- Do not stick cellophane tape or leave plastic erasers on a printout. Also avoid putting a printout under a plastic desk mat. The colour may stick to the plastic surface.
- When storing in an album, use a pocket-type transparent album. If a printout is stored in an album containing chemical material or glue, dye from the printout may transfer to the album paper.

Printing a fast-moving image without blur

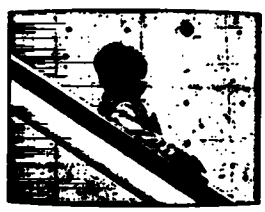


A fast-moving image may be blurred when it is printed in the FRAME mode. To eliminate the blur, press the CAPTURE MODE button to select FIELD A or FIELD B and then print the image. You can thus eliminate blurring.
The picture quality, however, may become coarse when printed in FIELD mode. (You can change the memory mode FRAME to FIELD A or B to print an image stored in the FRAME mode).
For details, refer to "About Capture (memory) Mode" on page 62.

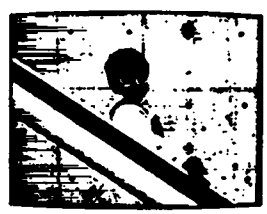


As you press the CAPTURE MODE button, the memory mode changes and corresponding lamp lights:
FRAME → FIELD A → FIELD B

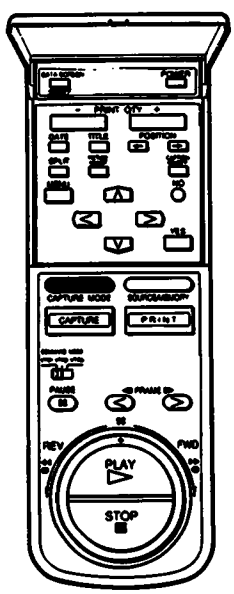
CAPTURE MODE button.



FRAME mode

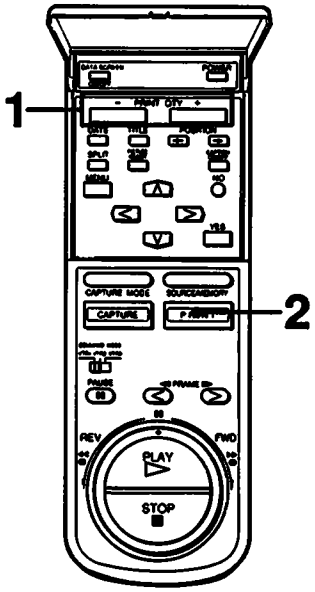


FILED A or B (blur is eliminated)



Making more than one copy of an image

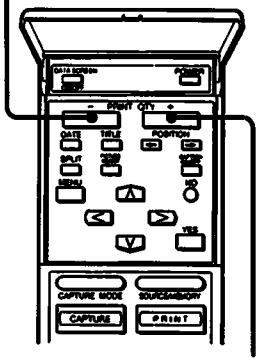
You can print up to 30 copies of a stored image repeatedly.
The following are the steps for setting the print quantity on the remote commander. To set the print quantity with the MENU screen, refer to "Setting the Print Quantity" on page 56.



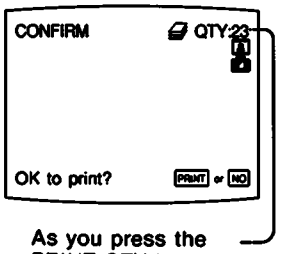
1 **After storing the image you want to print with the CAPTURE button, press PRINT QTY −/+ buttons to designate the print quantity.**

You can designate a number from 1 to 30.

To decrease the number, press the − button as many times as required. To decrease continuously, keep the button depressed.



To increase the number, press the + button as many times as required. To increase continuously, keep the button depressed.

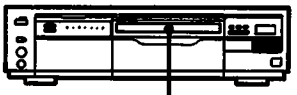


As you press the PRINT QTY buttons, the number changes.

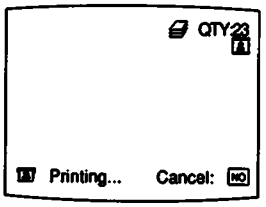
Note
You can set the print quantity while "QTY" is displayed on screen.

2 **Press the PRINT button.**

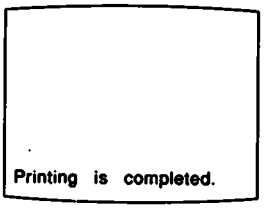
Wait about 70 seconds for the first copy to emerge, then wait about another 70 seconds for the second copy to emerge and so on.



Printouts emerge one after another.



When all the copies are printed,

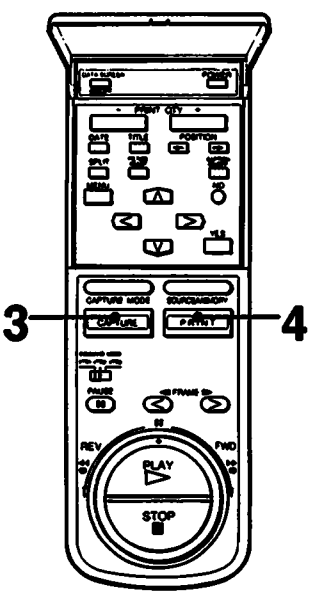


To stop printing midway
Press the NO button on the remote commander or the main unit. After the printing in process is completed, the remaining printing is canceled.

To change the number of copies midway
To increase the number, press the PRINT QTY + button on the commander. To decrease, press the PRINT QTY − button. You cannot change the number during printing with the buttons on the main unit.

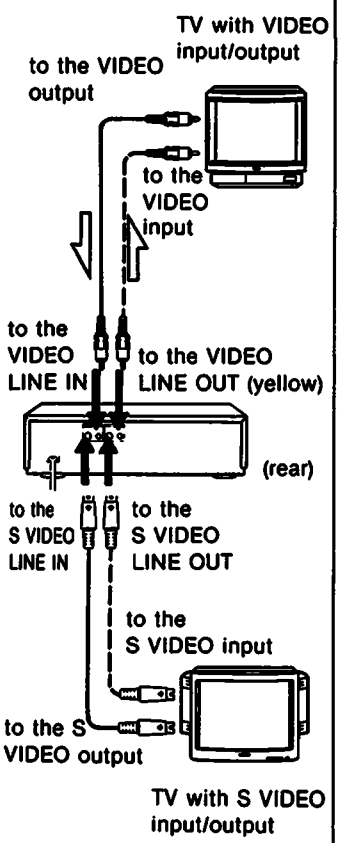
If the print paper runs out midway
Load the print paper in the tray and press the PRINT button. The remaining copies will be printed.

Even when you have no video equipment, you can print TV broadcast pictures. The TV should have VIDEO and/or S VIDEO input/output connectors. (A TV with only aerial connectors cannot be connected to the printer.)



1 Connect the printer to the TV.

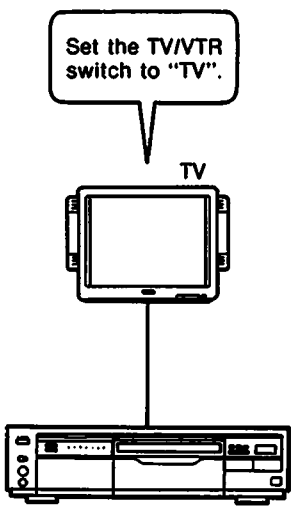
When your TV has both S VIDEO and VIDEO input/output connectors, use the S VIDEO connectors for better picture quality.


TV with VIDEO input/output
to the VIDEO output
to the VIDEO input
to the VIDEO LINE IN
to the VIDEO LINE OUT (yellow)
(rear)
to the S VIDEO LINE IN
to the S VIDEO LINE OUT
to the S VIDEO input
to the S VIDEO output
TV with S VIDEO input/output

*To check the image to be printed, the connections marked with --- are necessary.

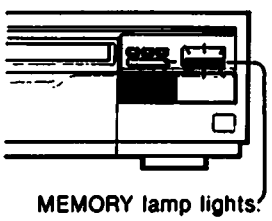
2 Set the INPUT SELECT switch on the front panel of the printer to "REAR" (when using the rear input connectors) and turn on the power of the printer and the TV.

(When using the front input connectors, set it to "FRONT.")
Also set the TV/VTR switch on the TV to "TV." (You can watch the TV programs as usual.)



3 When the image you want to print appears on the screen, press the CAPTURE button to store it.

The MEMORY lamp lights indicating that the image is stored, although the TV screen displays the broadcast pictures. No message appears on the screen.



To check the image stored in the memory

① Set the TV/VTR switch on the TV to "VTR".
② Make sure that the MEMORY lamp lights. If it does not, press the SOURCE/MEMORY button.
The stored image is displayed with the "CONFIRM" message.

To change the image stored in memory

① Set the TV/VTR switch on the TV to "TV."
② Make sure that the MEMORY lamp goes off. If it does not, press the SOURCE/MEMORY button.
The broadcast pictures are displayed.
③ If you have just pressed the CAPTURE button, press the NO button.
④ When the image you want to print appears, press the CAPTURE button to store it.
The MEMORY lamp lights.

4 Press the PRINT button.

Wait about 70 seconds for the printout to emerge.

Notes

- When you want to make a variety of printouts using the MENU screen, set the TV/VTR switch on the TV to "VTR." Display the MENU screen and make the necessary settings. Then set the switch to "TV" and store and print an image.
- When you turn off the printer, the image stored in memory is erased. When you printing from the video equipment, you can store the same image again. When printing from the TV, however, you cannot store the same broadcast picture again.
- When the MEMORY lamp lights, you can print the stored image but cannot store another image. If you press the CAPTURE button, error beeps sound.
  When the MEMORY lamp goes off, you can store an image but cannot print the image. If you press the PRINT button, error beeps sound.

Besides the basic full-size printouts, you can make a variety of printouts. This chapter covers the following operations which require using the MENU screen:

- Making a Variety of Printouts
- Setting the Print Quantity
- Adjusting the Picture Quality of Printouts
- Storing one Image while Printing Another
- About Capture (memory) Mode

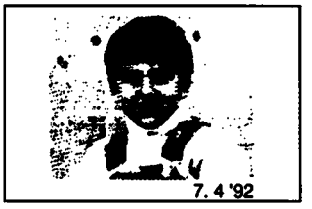
Before proceeding into this chapter, please read the previous chapter to become familiar with the basic operation of the colour video printer. The types of printouts possible are:

Printout of the same image in 1/4 size or 1/16 size (page 44)

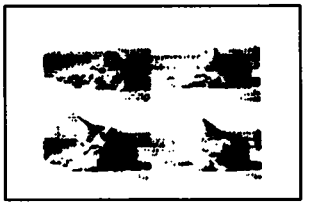
Printout with multiple inset images (page 50)

Printout of different images in 1/4 size or 1/16 size (page 46)

Printout with a caption (page 52)

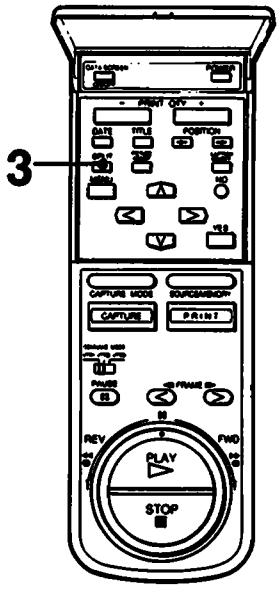


Printout of strobe images in 1/4 size or 1/16 size (page 48)



Making a Variety of Printouts

To make a printout of 1/4-size or 1/16-size of the same, different, or strobe images or a printout with multiple inset images, select the SPLIT in the main MENU screen.



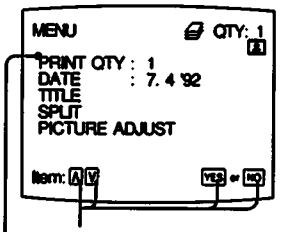
When using the remote commander, you can display the SPLIT menu screen by just pressing the SPLIT button. (When another menu is displayed, wait for the menu mode to be over and then press the SPLIT button.)

To watch the demonstration of how to use the menus

Press the DEMONSTRATION button on the main unit. The demonstration of how to use the menus automatically starts. The demonstration will be repeated until you press the PRINT button to print the stored image or the DEMONSTRATION button to quit the demonstration. (The NO button does not stop the demonstration.)

1 Press the MENU button.

The background becomes darker and the main MENU screen appears.

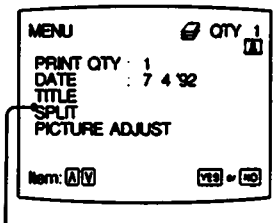


Operations buttons displayed in white.

Selected item (sub-menu) is displayed in yellow.

2 Select the "SPLIT" with the ▲▼ buttons.

"SPLIT" is selected and displayed in yellow.

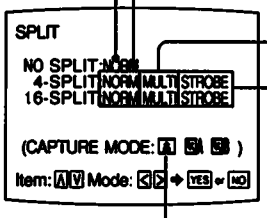


"SPLIT" is selected.

3 Press the YES button.

The SPLIT menu (sub-menu) screen appears.

Present SPLIT mode is displayed in yellow.



Present capture mode is displayed in yellow.

For making a printout of different images in 1/4 size or 1/16 size, proceed to page 46.

Application

For making a printout with multiple inset images, proceed to page 50.

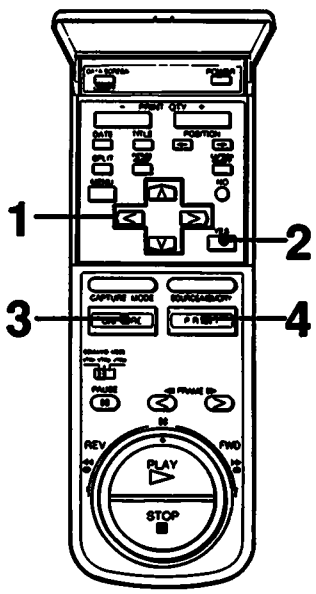
For making a printout of the same image in 1/4 size or 1/16 size, proceed to page 44.

For making a printout of strobe images in 1/4 size or 1/16 size, proceed to page 48.

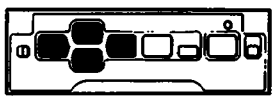
To undo the last operation
Press the NO button. The screen retur to the previous mode.

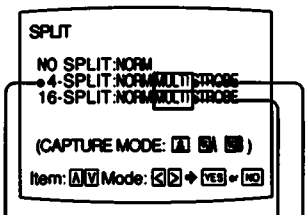
Printout of the same image in 1/4 size or 1/16 size

Before you proceed to the following steps, do the steps described on page 42 and display the SPLIT menu screen.

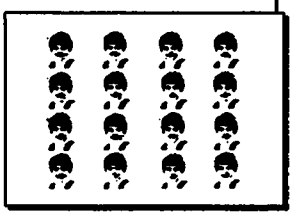


1 **Select "4-SPLIT" or "16-SPLIT" with the ∧∨ buttons and select "MULTI" with the <> buttons.**





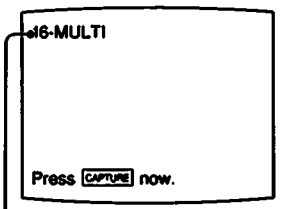
Selected mode is displayed in yellow.



Printouts of the same image in 1/4 size or 1/16 size will be printed with white divisions.

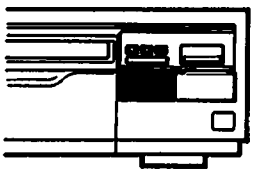
2 **Press the YES button.**

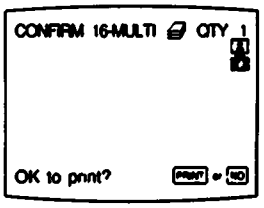
SPLIT MULTI input screen appears.



Selected SPLIT mode (when selecting 16-SPLIT, MULTI)

3 **When the image you want to print appears, press the CAPTURE button to store it in memory.**





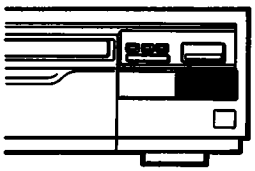
The image stored in memory appears on the screen so that you can confirm the image for printing. (Although the stored image is displayed in full-size screen, the image is actually printed in 4-split or 16-split planes.)

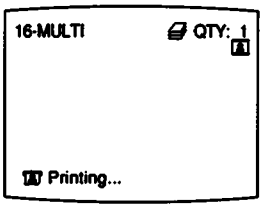
To change the image stored in the memory
Press the NO button or the SOURCE/MEMORY button to return to the playback pictures. Press the CAPTURE button again to store a new image. The previous image in memory is replaced with the new one.

To change the split number of the stored image
The image stored in 4-SPLIT MULTI (or 16-SPLIT MULTI) mode can be printed in 16-SPLIT MULTI mode (or 4-SPLIT MULTI). To change the split number, press the MENU button to return to the main MENU screen and select the SPLIT again. Then select the desired SPLIT mode. You can also change the 4-SPLIT or 16-SPLIT to NO SPLIT (full-size) mode. An image stored in NO SPLIT mode can be printed in 4-SPLIT or 16-SPLIT MULTI mode.

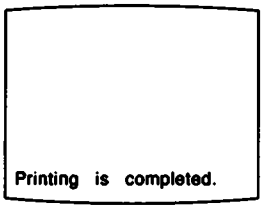
4 Press the PRINT button.

The playback pictures appear on the screen. Wait about 70 seconds for a printout to emerge.





When the printing is over,



To stop printing (When printing more than one copy)
Press the NO button. The printing stops after the printing in process is completed.

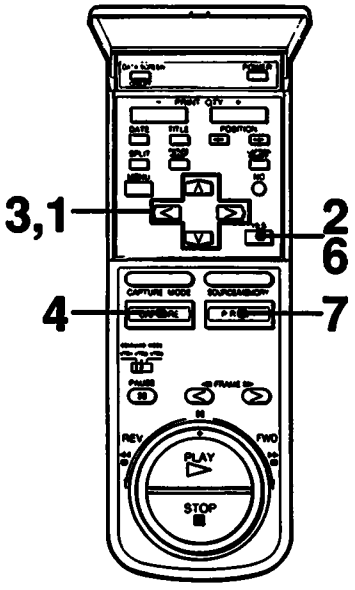
To store one image while printing another
When you set the CAPTURE MODE to FIELD A or B, you can store one image while printing another. For details, refer to "Storing one Image while Printing Another" on page 60.

To confirm the stored image
Press the SOURCE/MEMORY button. The MEMORY lamp lights and the stored image is displayed on the screen with the CONFIRM message.

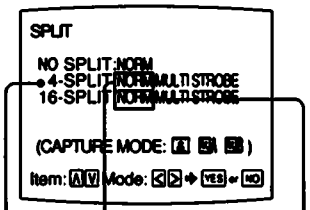
To select a different sub-menu
Press the MENU button and select the desired item (sub-menu) on the main MENU screen with the [∧] [∨] buttons.

Printout of different images in 1/4 size or 1/16 size

Before you proceed to the following steps, do the steps described on page 42 and display the SPLIT menu screen. Also set the CAPTURE MODE to FRAME.



1 **Select "4-SPLIT" or "16-SPLIT" with the ▲▼ buttons and select "NORM" with the ◀▶ buttons.**

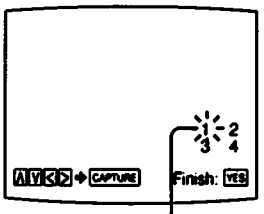


Selected mode is displayed in yellow.

Printouts of different image in 1/4 size or 1/16 size will be printed without white divisions.

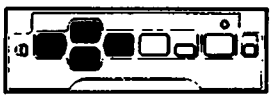
2 **Press the YES button.**

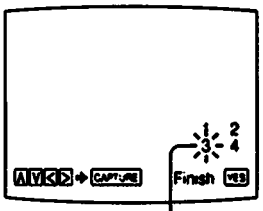
SPLIT NORM input screen appears.



The position where an image is first stored flashes. (when selecting the 4-SPLIT, NORM mode).

3 **Select where an image is to be stored with the ▲▼◀▶ buttons.**



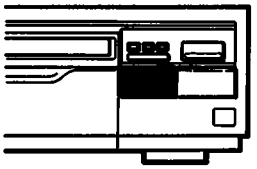


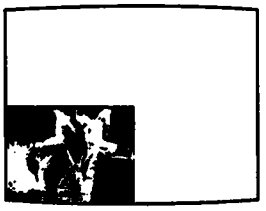
Selected position flashes.

About the CAPTURE MODE available

In 4-SPLIT or 16-SPLIT NORM mode, set CAPTURE MODE to FRAME. If you select the 4-SPLIT or 16-SPLIT NORM mode with FIELD A or B mode, an error message stating "CAPTURE MODE is set to A." appears and CAPTURE MODE is automatically switched to FRAME mode. (You can print a fast-moving subject without blur.)

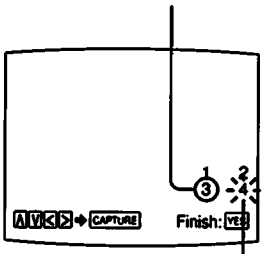
4 When the image you want to print appears, press the CAPTURE button to store it in memory.





The stored image is displayed for about one second. Then the palyback picture reappears on the screen

The position occupied with a stored image is displayed in yellow.



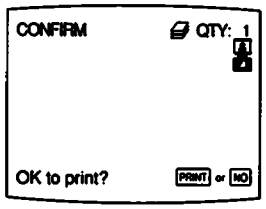
The position where an image can be stored next flashes. (Flashing position moves: 1 → 2 → 3 → 4)

5 Repeat steps 3 and 4 until you have stored 4 or 16 images in all the positions.

To change the image stored in memory
Make the position you want to change flash with the [∧] [∨] [<] [>] buttons. Then store a new image to replace the previous one.

To confirm the stored image
Press the SOURCE/ MEMORY button. The MEMORY lamp lights and the stored image is displayed on the screen with the CONFIRM message.

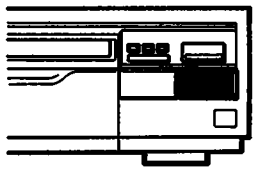
6 Press the YES button.

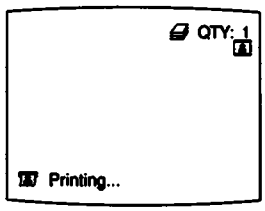


The stored images are displayed as they will be printed.

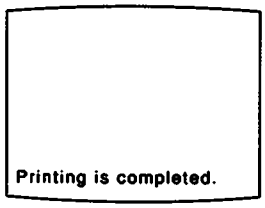
To change the image stored in the memory
Press the NO button and store new images.

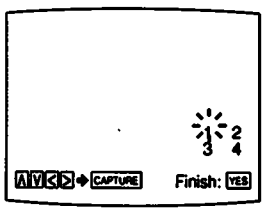
7 Press the PRINT button.





When the printing is over,

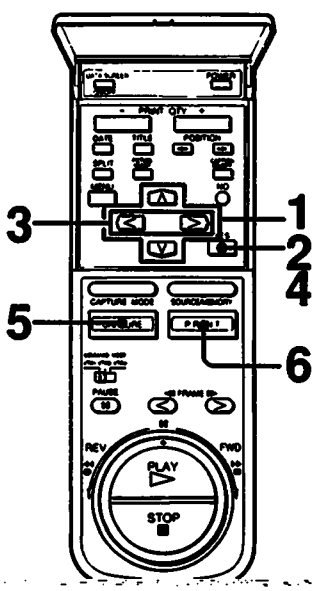




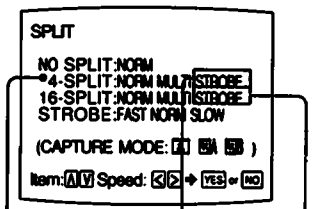
To select a different sub-menu
Press the MENU button and select the desired item (sub-menu) on the main MENU screen with the [∧] [∨] buttons.

Printout of strobe images in 1/4 size or 1/16 size

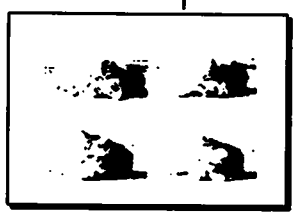
Before you proceed to the following steps, do the steps described on page 42 and display the SPLIT menu screen. Also set CAPTURE MODE to FRAME.



1 Select "4-SPLIT" or "16-SPLIT" with the ∧∨ buttons and select "STROBE" with the ◁▷ buttons.

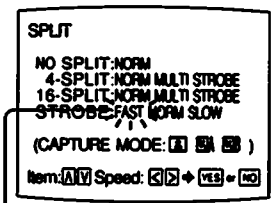


Selected mode is displayed in yellow.



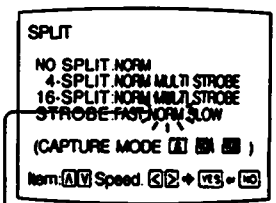
Printouts of 4 or 16 sequential views of a moving object (strobe images), each in 1/4 size or 1/16 size, will be printed without white divisions.

2 Press the YES button.



Flashing

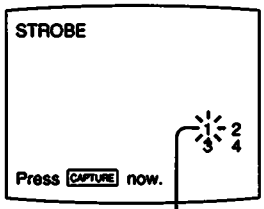
3 Select the speed of the strobe action with the ◁▷ buttons.



Selected speed flashes.

4 Press the YES button.

STROBE input screen appears.

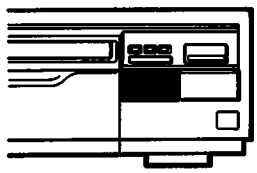


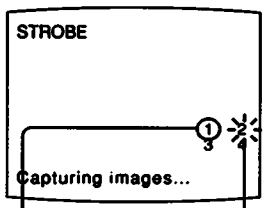
Flashing. (When selecting 4-SPLIT STROBE mode)

About the CAPTURE MODE available
In 4-SPLIT or 16-SPLIT STROBE mode, set CAPTURE MODE to FRAME. If you select FIELD A or B mode, an error message stating "CAPTURE MODE is set to A." appears and CAPTURE MODE is automatically switched to FRAME mode. (You can print a fast-moving subject without blur.)

5 When the image you want to print appears, press the CAPTURE button to start storing a series of strobe images.

Sequential views of a moving object are automatically stored with the selected strobe action speed in step 3.

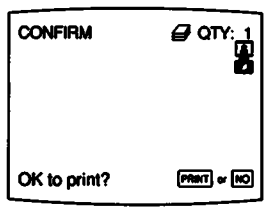




The position where an image is stored lights in yellow.

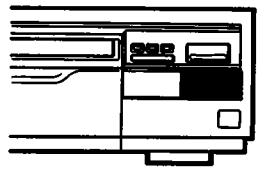
The position where an image is being stored flashes in the order of 1 → 2 → 3 → 4.

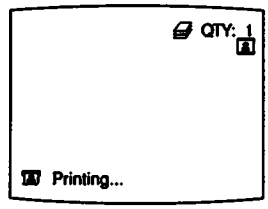
When all the images are stored, they are displayed as they will be printed.



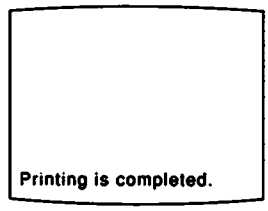
To change the image stored in the memory
Press the NO button and then the CAPTURE button to start storing strobe images.

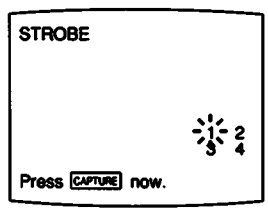
6 Press the PRINT button.





When the printing is over,



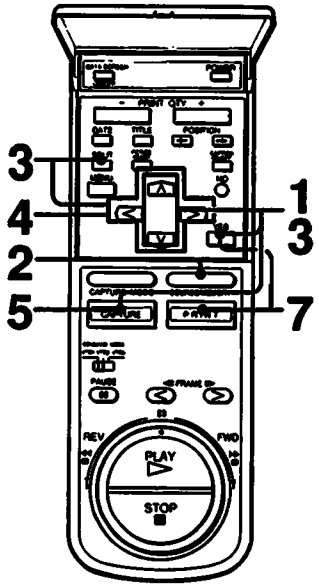


To select a different sub-menu
Press the MENU button and select the desired item (sub-menu) on the main MENU screen with the ∧ ∨ buttons.

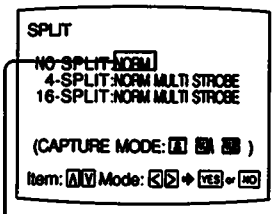
Note
When you combine 4-SPLIT NORM or STROBE mode with 16-SPLIT MULTI mode (or, 16-SPLIT NORM or STROBE mode with 4-SPLIT MULTI mode), you can make a printout of 64 images. Such a printout, however, cannot be recommended since its picture quality becomes poor.

Printout with multiple inset images

You can inset multiple 1/4 size and/or 1/16 size images in a full-size image. First store the full-size background image and then store 1/4 size and/or 1/16 size inset images. Before you proceed to the following steps, do the steps described on page 42 and display the SPLIT menu screen. Also, set CAPTURE MODE to FRAME.



1 **Select "NO SPLIT: NORM" with the [A] [V] buttons and press the YES button. Press the CAPTURE button to store the background image (full-size).**

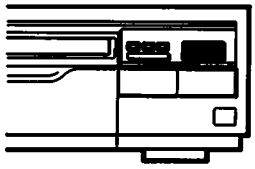


Lights yellow.

About the CAPTURE MODE available

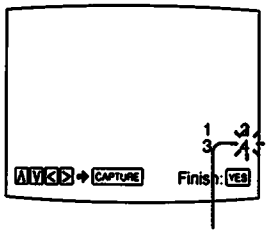
Set the CAPTURE MODE to FRAME. If you store the background full-size image with the FIELD A or B mode and select the 4-SPLIT or 16-SPLIT mode, an error message stating "CAPTURE MODE is set to [A] ." appears and CAPTURE MODE is automatically switched to FRAME mode. At that time, the background image will be overlapped with the image stored in the other FIELD mode.

2 **Press the SOURCE/ MEMORY button to display playback pictures.**



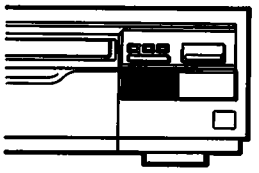
3 **Press the MENU button. Then select "4-SPLIT NORM" or "16-SPLIT NORM" and press the YES button.**

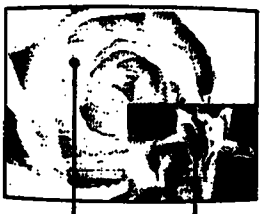
4 Select where an image is to be inset with the △▽◁▷ buttons.



Selected position flashes. (ex. in the 4-SPLIT NORM mode)

5 When the image you want to inset appears, press the CAPTURE button.

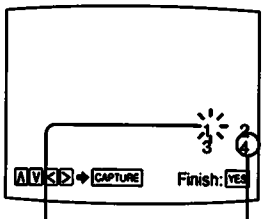




Background full-size image

The inset image

The stored image is displayed for about one second. Then playback pictures reappear.



Position where an image is to be stored flashes.

Position where an image is stored lights in yellow.

6 To inset multiple images, repeat steps 4 and 5.

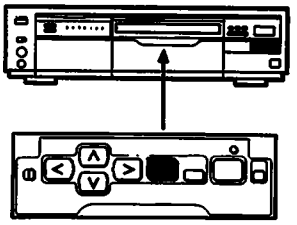
To change the image stored in the memory
Make the position you want to change flash with the △▽◁▷ buttons. Then store a new image to replace the previous one.

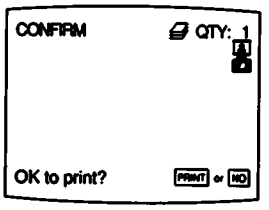
To inset both 1/4-size and 1/16-size images
Press the MENU button to return to the main MENU screen. Then select the different SPLIT NORM mode (4-SPLIT NORM or 16-SPLIT NORM). Repeat steps 4 and 5.

To confirm the stored image
Press the YES button. The MEMORY lamp lights and the stored image is displayed on the screen with the CONFIRM message.

To change the image stored in the memory
Press the NO button and then the CAPTURE button to store new images.

7 Press the YES button to fix the inset images and then press the PRINT button.



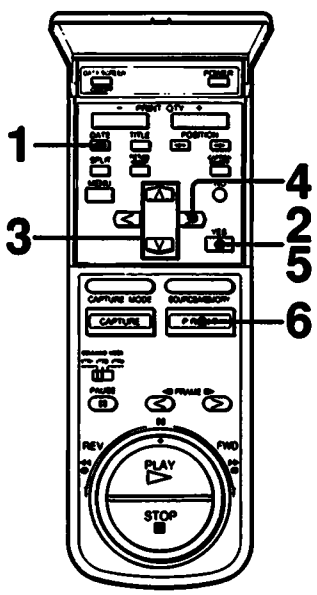


When the YES button is pressed, the stored images are displayed as they are printed.

To select a different sub-menu
Press the MENU button and select the desired item (sub-menu) on the main MENU screen with the △▽ buttons.

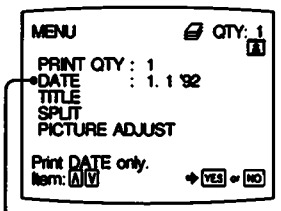
[illegible] with Dates

You can put a date on a printout. When you select DATE in the main MENU screen, you cannot select the TITLE (title input) menu. When you want to enter both a date and a title, select the TITLE menu as they will allow you to enter numbers and letters at the same time.



Press the DATE button and the DATE input screen appears at once.

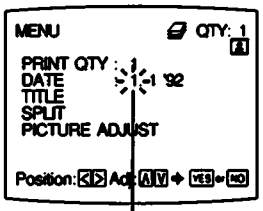
1 Press the MENU button and select "DATE" with the ∧ ∨ buttons.



Lights in yellow.

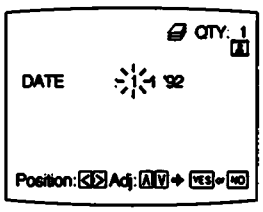
2 Press the YES button.

DATE input screen appears.



Flashes.

When you press the DATE button on the remote commander

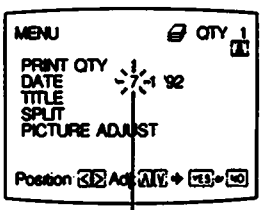


3 Enter the desired number as the day or month with the ∧ ∨ buttons.

You can enter a desired number for the first two items from 1 to 31; they can be set to as either day or month.

To increase the number, press the ∧ button.
To decrease the number, press the ∨ button.

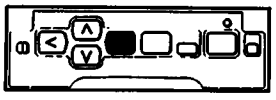
Increases the number. Decreases the number.

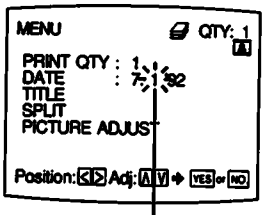


Number changes.

To cancel the date just entered
Press the NO button. The date returns to the previous date and the DATE input screen is released.

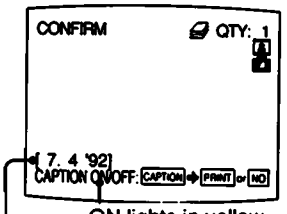
4 Press the ▷ button to move to the next item (month/day).





Flashes.

5 Repeat steps 3 and 4 to enter the date, month and year. Press the YES button to fix the date.

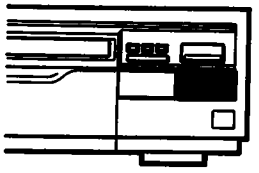


ON lights in yellow.
Entered date

When the entered date is displayed, the stored image is printed with the date. If the entered date is not displayed, press the CAPTION button.
If the playback pictures appear, press the SOURCE/MEMORY button to display the stored image on the screen. Or, if you have not stored an image yet, press the CAPTURE button.

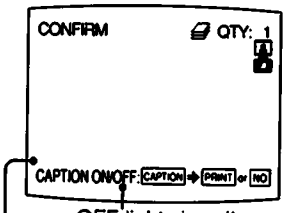
To change the date
Highlight the item in yellow with the ◁ ▷ buttons and change the value with △ ▽ buttons.

6 Press the PRINT button.



The stored image will be printed with the date.

To print the image without the date
Press the CAPTION button so that the entered date disappears on the screen.

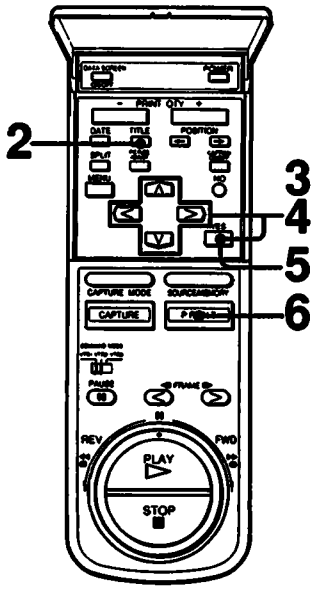


OFF lights in yellow.
Entered date is not displayed.

Note
The entered date will be stored after you turn off the power.
When you unplug the AC power cord, the date returns to the default date: 1.1 '92

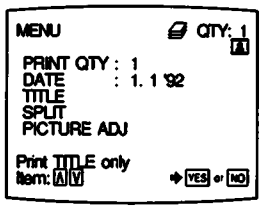
Printing with a Title

You can put a title of up to 40 characters, such as a date and a comment, below the image. When you select the TITLE in the main MENU screen, you cannot select the DATE menu. When you want to enter both a date and a title, select the TITLE menu as you can enter figures and characters at the same time.



Press the TITLE button and the TITLE input screen appears at once.

1 Press the MENU button and select "TITLE" with the ∧∨ buttons.



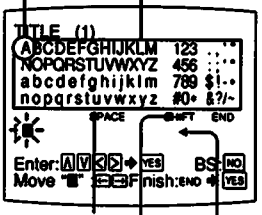
Lights in yellow.

2 Press the YES button.

TITLE (title input) (1) menu screen appears.

Selected character lights in yellow.

Characters available for a title



Enters a blank space between characters.

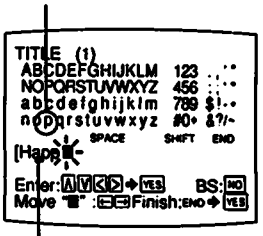
Character input line

Shifts TITLE screen from TITLE (1) to (2) or vice versa.

To return to the main MENU screen
Press the NO button. The main MENU screen reappears.

3 Select the desired character by pressing the ◁▷ ∧∨ buttons and press the YES button to enter it in the input line.

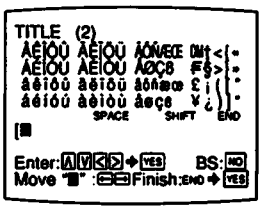
Selected character lights in yellow.



Characters entered.

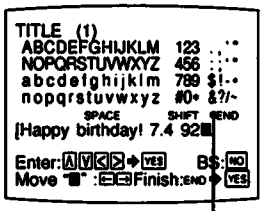
To enter spaces between characters
Select "SPACE" with the ◁▷∧∨ buttons as many times as you want.

To shift to TITLE (2) menu screen
Select "SHIFT" with the ◁▷∧∨ buttons and press the YES button.
To return to the TITLE (1) screen, select "SHIFT" and press the YES button again.



4 Repeat step 3 until you have entered all the characters for your title and then select "END" with the ∧ ∨ < > buttons.

You can enter up to 40 characters as a title.



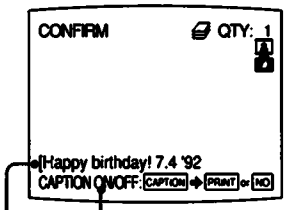
Lights in yellow.

To erase the characters entered in the input line
Press the NO button. The character to the left of the cursor (highlighted in yellow) will be deleted.

To replace the character with the new one
Press the POSITION ←/→ buttons on the remote commander to move the the cursor (highlighted in yellow) to the character you want to replace. Then select a new character with the < > ∧ ∨ buttons and press the YES button: the new character replaces the previous one.

5 Press the YES button.

The CONFIRM screen appears with the entered title.

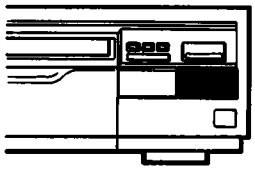


Lights in yellow

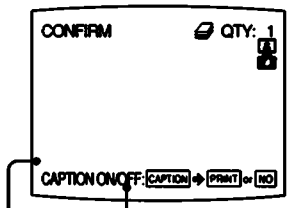
Entered title

When the entered title is displayed, the stored image is printed with the title. If it is not displayed, press the CAPTION button to make it appear. If the playback picture is being displayed, press the SOURCE/MEMORY button to display the stored image on the screen. Or, if you have not stored an image yet, press the CAPTURE button.

6 Press the PRINT button.



To print the image without the entered title
Press the CAPTION button so that the entered title is not displayed.



Entered title disappears.

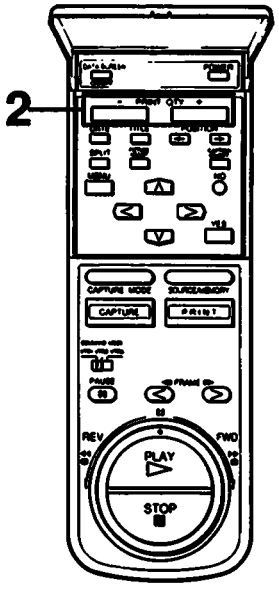
Lights in yellow

Notes

- The entered title will be lost when you turn off the power.
- We suggest you set the CAPTURE MODE to FRAME to print the title distinctly.
  If you select FIELD A or B, the title may be coarse when printed.

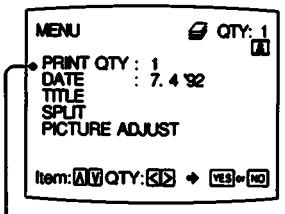
Print Quantity

You can print up to 30 copies of a stored image repeatedly. Set a print quantity in the PRINT QTY menu.



Press the PRINT QTY –/+ buttons to increase and decrease the print quantity. For details, refer to "Making more than one copy of an image" on page 37.

1 Press the MENU button and select "PRINT QTY" with the ∧ ∨ buttons.

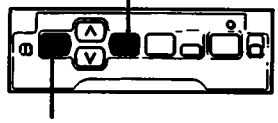


Lights in yellow.

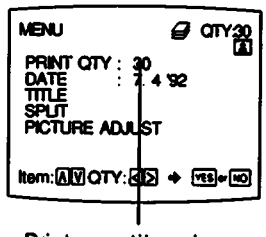
2 Set the desired number for the print quantity with the < > buttons.

To increase the number, press the > button.
To decrease the number, press the < button.

Increases the number.



Decreases the number.



Print quantity value changes.

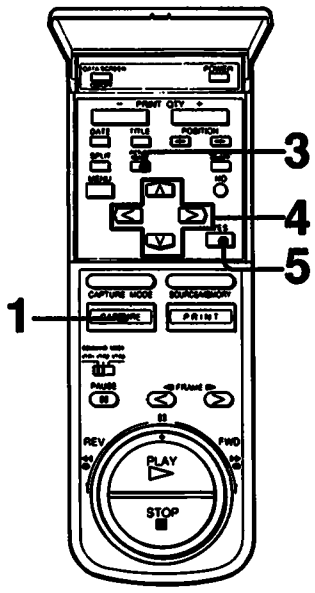
3 Press the YES button.

The screen returns to the previous status.

Notes

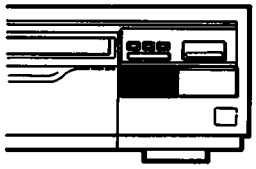
- When you turn off the printer, the print quantity setting returns to 1 (default).
- The newly set print quantity applies to the next printing.

You can adjust the colour of the printouts on the PICTURE ADJUST (picture quality adjustment) menu.

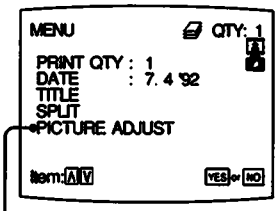


Press the PICTURE ADJUST button to directly display the PICTURE ADJUST screen.

1 **When an image you want to print appears, press the CAPTURE button to store it in memory.**



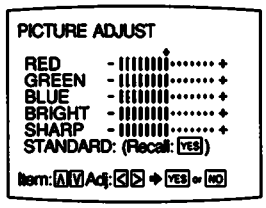
2 **Press the MENU button and select "PICTURE ADJUST" with the ∧∨ buttons.**



Lights in yellow.

3 **Press the YES button.**

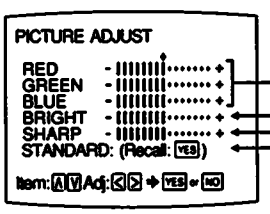
The PICTURE ADJUST menu appears. In the background, the stored image is displayed.



4 Select the item with the ∧∨ buttons and adjust the level with the <> buttons.

You can adjust each level of three colour elements (RGB), brightness, and the sharpness.
The level increases as you press the > button.
The level decreses as you press the < button.
As the picture quality of the background image changes according to the adjustment (except for the SHARP), adjust the level by checking the result.
When you want to set the picture quality to the standard levels, select "STANDARD" and then press the YES button.

Adjust each element of the colour (RGB). When each item is selected, it lights in its own colour (red, green, or blue). As the bar extends to the +, each intensity becomes stronger.



Select to set all other levels at the mid-level.

Adjust the sharpness of the image. As the bar extends to the +, the image becomes more distinct. (You cannot check the result in the background image.)

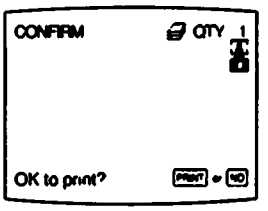
Adjust the brightness of the image. As the bar extends to the +, the image becomes brighter.

Notes

- During the picture adjustment, you cannot display the playback pictures even if you press the SOURCE/ MEMORY button.
- You cannot adjust the picture quality during printing.

5 Press the YES button.

The adjusted image appears.



To cancel the setting
Press the NO button.
The levels return to the previous settings.

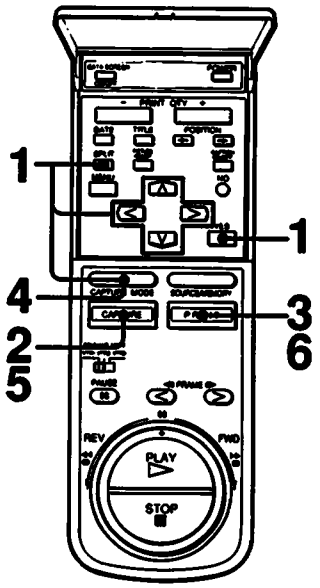
Notes

- The next printout is printed with the newly set values.
- You cannot adjust the picture quality during printing.
- The picture quality of the image you have checked on the screen may be slightly different from that of the printout. This occurs when the picture quality of the television itself differs from that of the printer.
- The picture adjust setting is stored even after you turn off the printer. When you unplug the AC power cord, all the level returns to the default: the standard level.

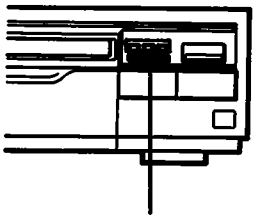
About AUTO PICTURE switch

Usually set the AUTO PICTURE (automatic gain control) switch on the main unit to ON. When you are going to print animation or another video source whose colour level changes quickly, an image may be printed with too much black and white colour. In such a case, set the switch to OFF and print the image again.

In the NO SPLIT NORM (full-size), 4-SPLIT or 16-SPLIT MULTI (same image in 1/4 size or 1/16 size) modes, you can store two images in two fields of the memory — FIELD A and FIELD B.
This function allows you to store one image while printing another.



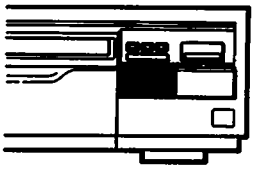
1 **Select the "NO SPLIT", "4-SPLIT MULTI", or "16-SPLIT MULTI" in the SPLIT menu. Then press the CAPTURE MODE button to select FIELD A or B.**

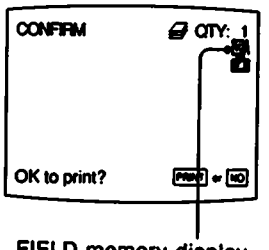


Selected FIELD memory lights.

2 **When the image you want to print appears on the screen, press the CAPTURE button to store it.**

The image stored in FIELD A (or B) memory appears.

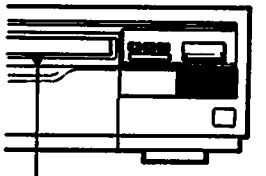




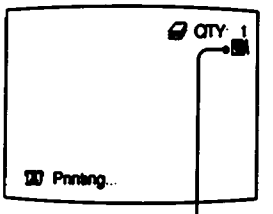
FIELD memory display (when FIELD A is selected and displayed in yellow.)

3 **Press the PRINT button.**

The image stored in FIELD A (or B) will be printed.
The playback pictures appear on the screen.

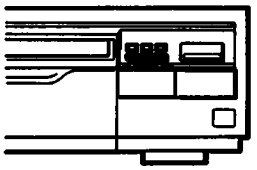


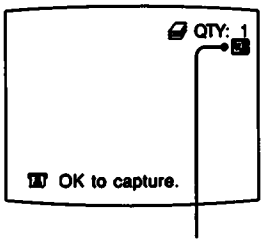
Wait for 70 seconds for a printout to emerge.



Displayed in yellow

4 Press the CAPTURE MODE button to select the other FIELD memory (A or B).

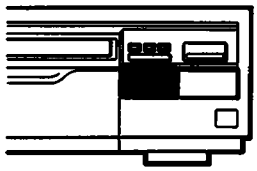


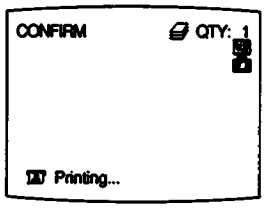


FIELD B is displayed in light blue. (when switched to FIELD B) Indicates you can store another image.

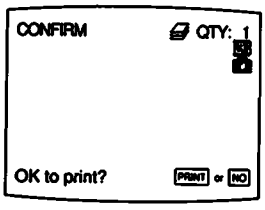
5 When the image you want to print appears on the screen, press the CAPTURE button to store it.

The image is stored in the other FIELD memory and appears on the screen.





When printing of the image stored in FIELD A is completed, you can print the second image stored in FIELD B.



6 Press the PRINT button.

The second image is printed.

To confirm the stored images in FIELD A and B

Make sure that the MEMORY lamp is lit. If it is not, press the SOURCE/ MEMORY button. Press the CAPTURE MODE button to display the image stored in FIELD A and B. (The corresponding lamp lights.)

To change the image stored in FIELD A or B

Press the SOURCE/ MEMORY button to return to the playback picture. Press the CAPTURE MODE button to light the FIELD memory having the image you want to replace. Then press the CAPTURE button. The previous image in memory is replaced with the new one.

Notes

- You cannot use FRAME memory and FIELD memory at the same time.
- When printing a full-size image in FIELD memory mode, the picture quality of the printout may be coarse compared with that in FRAME memory mode.

This section explains how to use the FRAME and FIELD memory modes and the structure of the memory mode.

FRAME mode and FIELD mode

To print an image, you must first store it in memory. The memory consists of two fields. You can use these two fields together or separately. The memory use status is called the "capture (or memory) mode." There are two capture modes:

- FRAME mode: two fields are used together to store an image.
- FIELD mode: two fields are used separately to store two images.

Select either of the modes according to your purposes:

When you want to..	Memory Mode	Screen Display
• Print an image with high-resolution. • Make a full-size printout of a stable object.* • Make a printout of 1/4- or 1/16 size images or a printout with insets.**	FRAME	
• Print a fast-moving object without blur (only in making a full-size printout).* • Store one image while printing another.	FIELD A/B	

*A fast-moving object may be printed with blur in the FRAME mode only when it is printed in full-size. When printing in 1/4 size or 1/16 size, we recommend you use the FRAME mode for better picture quality.

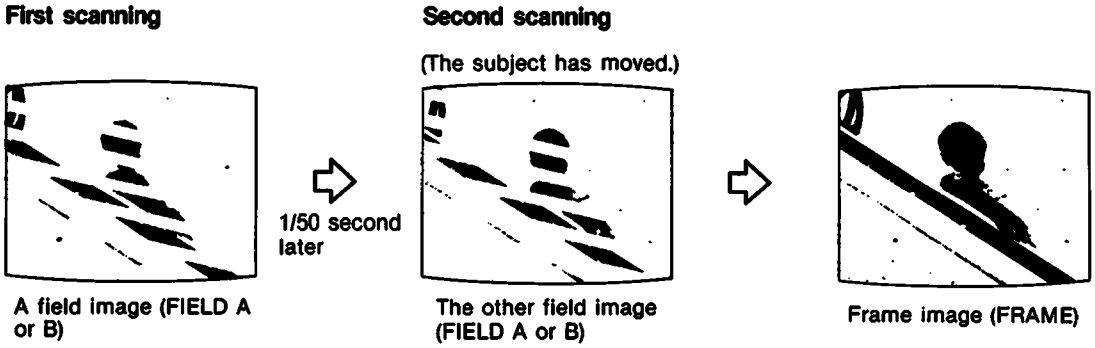
**When making a printout of different images, strobe images and insets in 1/4 size or 1/16 size, you can only select the FRAME mode.

How the picture is stored in memory

A television reproduces an image by scanning electron beams across its screen: first on every other line; then returning to the top, in the remaining lines. Each of the two scannings from top to bottom is called a field. Together they make up a frame.

The colour video printer records an image in the same way. If the subject moves quickly, the first field image and the second field image differs slightly. When these two field images are overlapped in the frame setting, the frame image will appear jittery on the monitor and blurred when printed.

In printing a full-size image, you can print without blur in the FIELD mode. In printing 1/4- or 1/16 size images, you can print even a fast-moving subject without blur.


First scanning
Second scanning
(The subject has moved.)
1/50 second later
A field image (FIELD A or B)
The other field image (FIELD A or B)
Frame image (FRAME)

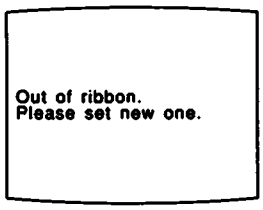
Other Technical Information

This chapter covers the following technical information:

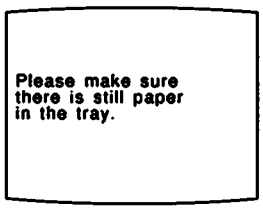
- Error Messages
- If Paper Jams
- Specifications

Error Messages

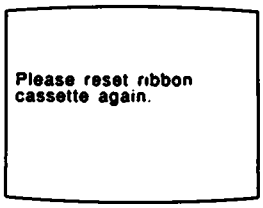
When the print paper or colour ribbon runs out, the paper jams, or another problem occurs, the ERROR and PAPER JAM lamps light and/or an error message stating the problem appears on the screen. Note the message and perform whatever action is necessary to solve the problem.



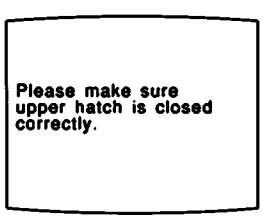
The colour ribbon has been completely used up.
Replace the used colour ribbon. (The colour ribbon cannot be reused.) (page 28)



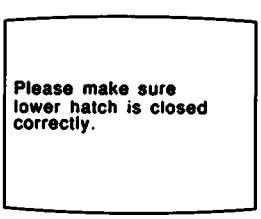
The print paper has run out.
Load the print paper into the paper tray. (page 30)



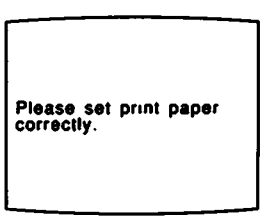
Colour ribbon cassette is not fitted properly.
Check that the colour ribbon has not run out and fit cassette firmly into the ribbon compartment. (page 28)



Upper hatch for checking paper jam is open.
Close the hatch correctly.

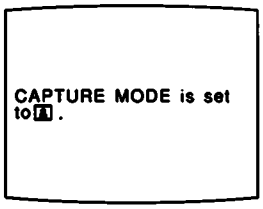


Bottom hatch for checking paper jam is open.
Close the hatch correctly.



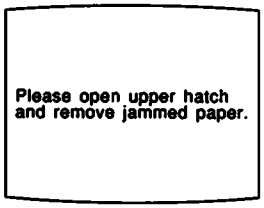
Print paper or paper tray is not fitted properly.
Check that:

- The print paper is loaded properly into the paper tray with the printing surface facing up.
- The print paper specified for this printer is being used.
- The paper tray is inserted securely into the printer. (page 30)

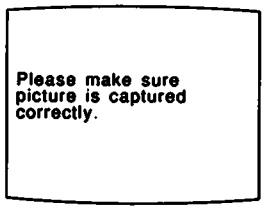


The CAPTURE mode is automatically switched from the FIELD mode to the FRAME mode.
(in the SPLIT NORM or STROBE mode)

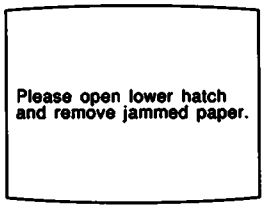
An image is not stored correctly or not stored at all in the memory.
Check that:
- An image is stored in the memory. If not, press CAPTURE to store it.
- The stored image is displayed on the screen before you press the PRINT button.
- The FRAME mode is used in printing 1/4- or 1/16 size different, strobe, or inset images.
- FIELD A or B is selected when you print the image stored in FIELD mode.



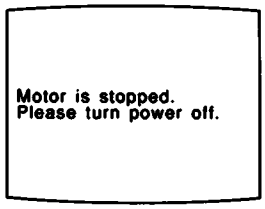
Paper is jammed.
Turn off the power and open the upper hatch to remove the jammed paper. (page 68)



An image is not stored correctly or not stored at all in the memory.
Check that:
- An image is stored in the momory. If not, press CAPTURE to store it.
- The FRAME mode is selected in printing the image stored in the FIELD mode.
  Select the FIELD mode.



Paper is jammed.
Turn off the power and open the bottom hatch to remove the jammed paper. (page 69)



Motor does not work because of paper jam or other problem.
Turn off the power then open the upper or bottom hatch to check if paper is jammed. If so, remove the jammed paper. If the printer still does not work, contact Sony service facilities for assistance.

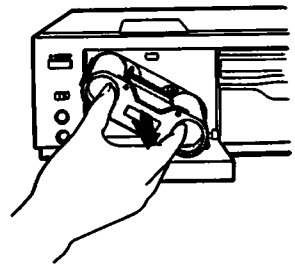
If Paper Jams

If paper jams, the PAPER JAM lamp lights with an error message and printing stops.
Remove the ribbon cassette and open the upper and/or bottom hatches to find the jammed sheet.

1 **Turn off the power.**

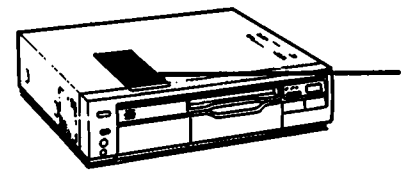
When the PAPER JAM lamp lights, turn off the power and remove the jammed paper. Then turn on the printer. If you keep the power on during this procedure, the lamp remains on even after the jammed sheet is removed. When you turn off the power, the image stored in the memory is lost.

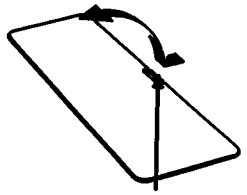
2 **Open the ribbon compartment lid and remove the colour ribbon cassette.**



3 **Take off the upper hatch for checking a paper jam and check whether a sheet is stuck inside the printer.**

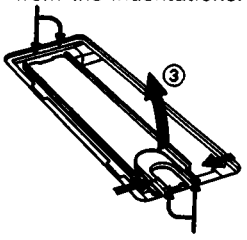
If you find a jammed sheet, pull it out.





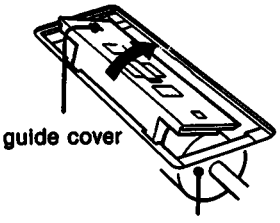
① Take off the hatch, pushing this part toward ◀.

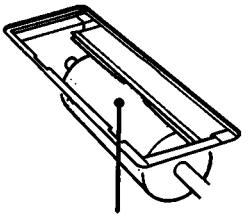
② Slide off the cover from the indentations.



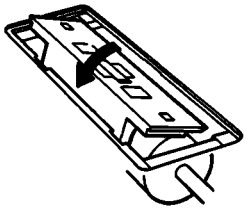
④ Pull up the cover, pinching the tabs.

⑤ Remove the guide cover by lifting it up along the roller.



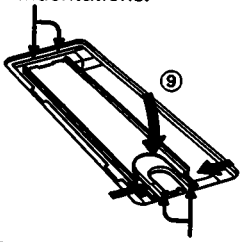


⑥ Remove the paper if it is stick around the roller.



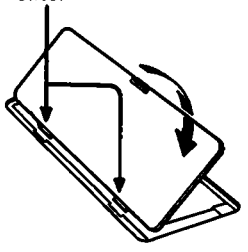
⑦ Insert the guide cover along the roller.

⑧ Reinsert the cover firmly into the indentations.



⑩ Pinch the tabs so that the cover clicks into place.

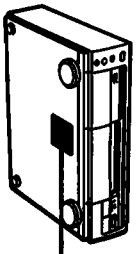
⑪ Fit the hatch into the slits.



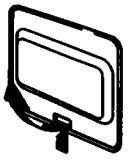
⑫ Reinsert the hatch so that it clicks into place.

4 Take off the bottom hatch for checking a paper jam and check whether a sheet is stuck inside the printer. If you find a jammed sheet, pull it out.

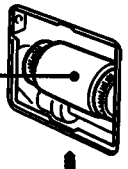
Stand the unit on its right side as illustrated.

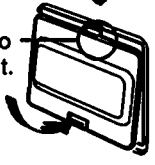


① Take off the hatch, pressing up on the tab.



② If you find a jammed sheet, remove it.





④ Reinsert the hatch so that it clicks into place.

5 Remove the paper tray and check to see if the print paper is placed properly.

6 Reinsert the colour ribbon cassette and turn on the power.

Specifications

Printing system	Sublimation heat transfer printing
Number of picture elements	
	540 (V) × 700 (H) (for full-size printout)
Printing size	Approx. 76 × 100.5 mm (3 × 4 inches)
Total gradation	256 levels (8 bits) each for R, G, and B
Printing time	Approx. 70 seconds
TV signal	PAL colour system
Input/output connectors	
	VIDEO input (pin jack) × 2 (front and rear)
	1 Vp-p, 75 ohms (unbalanced), sync negative
	S VIDEO input (4-pin mini DIN)
	automatically selectable × 2 (front and rear)
	Y: 1 Vp-p 75 ohms (unbalanced), sync negative
	C: 0.3 Vp-p (colour burst) 75 ohms (unbalanced)
	VIDEO output (pin jack) × 1
	1 Vp-p, 75 ohms (unbalanced), sync negative
	S VIDEO output (4-pin mini DIN) × 1
	Y: 1 Vp-p 75 ohms (unbalanced), sync negative
	C: 0.3 Vp-p (colour burst) 75 ohms (unbalanced)
Colour ribbon and print paper	
	Colour ribbon used exclusively for CVP-G700
	Print paper used exclusively for CVP-G700
	(100 × 140 mm (4 × 5 5/8 inches) sheets)
Power requirements	220–240 V AC, 50/60 Hz
Power consumption	120 W (in printing), 20 W (not in printing)
Operating temperature	5°C to 35°C (40°F to 95°F)
Operating humidity	30% to 80%
Dimensions	Approx. 430 × 109 × 375 mm (w/h/d)
	excluding protruding parts
	(17 × 4 3/8 × 14 7/8 inches)
Weight	Approximately 8.3 kg. (18 lbs 5 oz)
Accessories supplied	Paper tray (1)
	Video printing pack (1)
	Remote commander RMT-7 (1)
	Size AA (R6) batteries (2)
	AC power cord (1)
	Video connecting cables (2)
	(Depending on where you purchase the printer, only one video connecting cable is supplied.)
Optional supplies	Video printing packs VPM-30STA, VPM-90STA
	White sticker printing pack VPM-30WSA
	Video connecting cable VMC-1S, YC-15V

Design and specifications subject to change without notice.

Note
This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

3-753-911-11 (2)

Colour Video Printer

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